



Dialogic® NaturalAccess Board and Driver Error Reference

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Refer to www.dialogic.com for product updates and for information about support policies, warranty information, and service offerings.

Table Of Contents

1. Introduction	1
2. Monitoring error messages	5
Using oammon	5
Running oammon with command line options.....	5
Running oammon without command line options	6
3. AG board and driver errors	7
AG error format.....	7
AG error types	8
Error categories.....	9
Error types 8000 and 8100	9
Error type 8200.....	30
Error type 8400.....	34
Error type 8500.....	35
Error type 8d00.....	37
Error type 9100.....	38
Error type 9a00.....	40
AG clock manager errors	43
Error types 9900	47
Error type FF00 (Solaris only)	51
Error type FF00 (Linux only)	53
4. CG board and driver errors	54
CG error format	54
CG error types	54
Error categories.....	55
Generic manager errors (0x0100)	55
Filter manager errors (0x0200)	55
Host interface errors (0x0400)	56
PCI interface errors (0x0450)	57
Executive errors (0x0500)	58
Factory errors (0x0600)	59
Buffer pool errors (0x0700)	59
Legacy manager errors (0x0800)	60
Pin errors (0x0900)	61
Filter engine (DSP) errors (0x0A00).....	62
Image manager errors (0x0B00)	64
Switching errors (0x0C00).....	64
Framer manager errors (0x0D00).....	67
Framer driver errors (0x0D40, 0x0D50)	69
CG clock manager errors (0x0D80, 0x0D90, 0xDC0).....	71
Resource manager errors (0x0E00)	75
Generic errors (0x0F00).....	79
HDLC manager errors (0x1000)	79
EEPROM access errors (0x1100)	80
IP manager errors (0x1200)	80
Security manager errors (0x12D0)	85
Socket manager errors (0x12F0).....	87
Console manager errors (0x1300)	87
ARP errors (0x1400).....	88
IP filter errors (0x1500)	88

Memory errors (0x1580, 0x1590)	89
Filter InitDesc errors (0x1600)	89
IP factory errors (0x1700)	89
DSP manager errors (0x1800)	89
DSP errors (0x1900)	90
Signal library errors (0x1A00, 0x1E00)	92
Diagnostic manager errors (0x1C00)	93
Filter group errors (0x1D00)	93
PSTN errors (0x2000)	93
Hardware errors (0x4000)	94
Hardware HMIC errors (0x4200)	94
Host media processing errors (0x4700, 0x4800)	94
Hardware echo canceler errors (0x4900)	97
Locking errors (0x6000)	98
RTOS errors	98
DMA errors (0x7000)	99
Additional warnings and notifications	99
5. Index	101
6.	101

1. Introduction

The *Dialogic® NaturalAccess Board and Driver Error Reference* provides information about board-level errors returned by NMS hardware.

Use this manual to debug NaturalAccess boards by examining board and driver errors saved in hardware log files. This manual lists the AG and CG board and driver error messages and describes the format of these messages.

Terminology

Note: The product to which this document pertains is part of the NMS Communications Platforms business that was sold by NMS Communications Corporation (“NMS”) to Dialogic Corporation (“Dialogic”) on December 8, 2008. Accordingly, certain terminology relating to the product has been changed. Below is a table indicating both terminology that was formerly associated with the product, as well as the new terminology by which the product is now known. This document is being published during a transition period; therefore, it may be that some of the former terminology will appear within the document, in which case the former terminology should be equated to the new terminology, and vice versa.

Former terminology	Dialogic terminology
CG 6060 Board	Dialogic® CG 6060 PCI Media Board
CG 6060C Board	Dialogic® CG 6060C CompactPCI Media Board
CG 6565 Board	Dialogic® CG 6565 PCI Media Board
CG 6565C Board	Dialogic® CG 6565C CompactPCI Media Board
CG 6565e Board	Dialogic® CG 6565E PCI Express Media Board
CX 2000 Board	Dialogic® CX 2000 PCI Station Interface Board
CX 2000C Board	Dialogic® CX 2000C CompactPCI Station Interface Board
AG 2000 Board	Dialogic® AG 2000 PCI Media Board
AG 2000C Board	Dialogic® AG 2000C CompactPCI Media Board
AG 2000-BRI Board	Dialogic® AG 2000-BRI Media Board
NMS OAM Service	Dialogic® NaturalAccess™ OAM API
NMS OAM System	Dialogic® NaturalAccess™ OAM System
NMS SNMP	Dialogic® NaturalAccess™ SNMP API
Natural Access	Dialogic® NaturalAccess™ Software
Natural Access Service	Dialogic® NaturalAccess™ Service
Fusion	Dialogic® NaturalAccess™ Fusion™ VoIP API
ADI Service	Dialogic® NaturalAccess™ Alliance Device Interface API

Former terminology	Dialogic terminology
CDI Service	Dialogic® NaturalAccess™ CX Device Interface API
Digital Trunk Monitor Service	Dialogic® NaturalAccess™ Digital Trunk Monitoring API
MSPP Service	Dialogic® NaturalAccess™ Media Stream Protocol Processing API
Natural Call Control Service	Dialogic® NaturalAccess™ NaturalCallControl™ API
NMS GR303 and V5 Libraries	Dialogic® NaturalAccess™ GR303 and V5 Libraries
Point-to-Point Switching Service	Dialogic® NaturalAccess™ Point-to-Point Switching API
Switching Service	Dialogic® NaturalAccess™ Switching Interface API
Voice Message Service	Dialogic® NaturalAccess™ Voice Control Element API
NMS CAS for Natural Call Control	Dialogic® NaturalAccess™ CAS API
NMS ISDN	Dialogic® NaturalAccess™ ISDN API
NMS ISDN for Natural Call Control	Dialogic® NaturalAccess™ ISDN API
NMS ISDN Messaging API	Dialogic® NaturalAccess™ ISDN Messaging API
NMS ISDN Supplementary Services	Dialogic® NaturalAccess™ ISDN API Supplementary Services
NMS ISDN Management API	Dialogic® NaturalAccess™ ISDN Management API
NaturalConference Service	Dialogic® NaturalAccess™ NaturalConference™ API
NaturalFax	Dialogic® NaturalAccess™ NaturalFax™ API
SAI Service	Dialogic® NaturalAccess™ Universal Speech Access API
NMS SIP for Natural Call Control	Dialogic® NaturalAccess™ SIP API
NMS RJ-45 interface	Dialogic® MD1 RJ-45 interface
NMS RJ-21 interface	Dialogic® MD1 RJ-21 interface

Dialogic® NaturalAccess™ Board and Driver Error Reference

Former terminology	Dialogic terminology
NMS Mini RJ-21 interface	Dialogic® MD1 Mini RJ-21 interface
NMS Mini RJ-21 to NMS RJ-21 cable	Dialogic® MD1 Mini RJ-21 to MD1 RJ-21 cable
NMS RJ-45 to two 75 ohm BNC splitter cable	Dialogic® MD1 RJ-45 to two 75 ohm BNC splitter cable
NMS signal entry panel	Dialogic® Signal Entry Panel
Video Access Utilities	Dialogic® NaturalAccess™ Video Access Toolkit Utilities
Video Mail Application Demonstration Program	Dialogic® NaturalAccess™ Video Access Toolkit Video Mail Application Demonstration Program
Video Messaging Server Interface	Dialogic® NaturalAccess™ Video Access Toolkit Video Messaging Server Interface
3G-324M Interface	Dialogic® NaturalAccess™ Video Access Toolkit 3G-324M Interface

2. Monitoring error messages

Using oammon

Use the *oammon* board monitoring utility to monitor board and driver error messages on AG and CG boards. *oammon* can perform the following tasks:

- Monitor boards for errors and other messages from the OAM system
- Capture messages in a log file (*oammon.log*)
- Send an alert notification message to all NMS OAM client applications

Most NMS Communications boards support `BootDiagnosticLevel` board keywords that enable you to specify the type of board diagnostic tests that take place when you boot the board. When a diagnostic test fails, board level error messages indicate the test number of the failed test. You must be running *oammon* to view diagnostic results returned through board level errors. For more information about board keywords that control boot time diagnostic tests, refer to the board-specific installation and developer's manual.

If monitoring boards on multiple hosts, start a separate instance of *oammon* for each host. Each instance monitors one host only. For more information about *oammon*, refer to the *NMS OAM System User's Manual*.

Note: *ctdaemon* must be running to use *oammon*. Refer to the *Natural Access Developer's Reference Manual* for more information on starting *ctdaemon*.

Running oammon with command line options

To run *oammon*, enter the following command:

```
oammon options
```

where *options* are:

Option	Description
-?	Displays a Help screen and terminates.
-h	Displays a Help screen and terminates.
-v	Runs in verbose mode and returns extended board information.
-s <i>messagetext</i>	Sends the specified text message to all applications currently monitoring for alert messages (for example, another instance of <i>oammon</i> that is monitoring). <i>oammon</i> then terminates. <i>messagetext</i> can be any string of characters. Applications receive an <code>OAMEVN_ALERT</code> event that includes a pointer to an <code>OAM_MSG</code> structure containing the message text. For more information about alert notification, refer to the <i>NMS OAM Service Developer's Reference Manual</i> .
-L	Prints logged messages to stdout. This option is recommended for diagnostic purposes only.

Option	Description
-f <i>filename</i>	Logs messages to the specified file, as well as to stdout. This option is ignored unless the -L option is also used.
-@ <i>server</i>	Monitors activity on a resource server, where <i>server</i> is a host name or IP address. If this option is not specified, <i>oammon</i> monitors the local host on which it was initialized. This option is ignored unless the -L option is also used.

Running oammon without command line options

To run *oammon* without command line options, enter the following command:

```
oammon
```

oammon displays an interactive menu and immediately begins logging messages to the file *oammon.log* located in `\nms\oam\log\` under Windows and `/opt/nms/oam/log/` under UNIX.

```
'Enter' to output log file tail, based on
current screen output line count
'c'     to change screen output line count
(current count is 10)
'p'     to poll screen output every 10 seconds
'q'     or 'x' to exit
```

You can enter the following menu options:

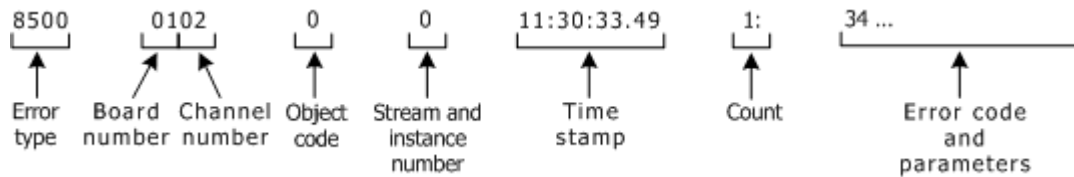
Option	Description
c <i>integer</i>	Changes the number of message lines that <i>oammon</i> displays on the screen every 10 seconds (the default is ten lines). After entering the c option, enter a positive integer to indicate the number of lines of message text you want to display.
p	Directs <i>oammon</i> to display the last 10 lines of received message text to the screen every 10 seconds. This command enables and disables on-screen polling. The first time you enter the p option, it enables on-screen polling. The second time you enter the p option, it disables on-screen polling.
q	Exits <i>oammon</i> .

Error message formats differ depending on whether the board is an AG board or a CG board. For information about these formats, refer to AG error format and CG error format.

3. AG board and driver errors

AG error format

AG board error messages are formatted as follows:



The error messages contain the following fields:

Field	Description
Error type	WORD indicating an error type.
Board number	WORD indicating a board number.
Channel number	WORD indicating a channel number.
Object code	WORD for debugging purposes only. The population of this field depends on the error type.
Stream and instance number	WORD for legacy use only. The population of this field depends on the error type.
Time stamp	DWORD indicating the time (in 10 ms ticks from boot time) that the error occurred. The format is hours:minutes:seconds:hundredths.
Count	A hexadecimal number indicating the number of parameter fields that follow. Since the first parameter field is always the error code, this number is at least 1.
Error code and parameters	The first parameter field always provides the error code. Depending on the error, subsequent fields provide additional information.

AG error types

AG boards record boot time and runtime errors in the *agpierror.log* file. By default, *agpierror.log* is located in `\nms\oam\log` (for Windows) and in `/opt/nms/oam/log` (for UNIX).

AG boards return the following types of errors, depending on the problem encountered:

Error type	Description
8000	System errors (not channel specific)
8100	DSP driver errors
8200	System errors (channel specific)
8400	TCP manager errors (not channel specific)
8500	GTP engine errors (not channel specific)
9a00	HMIC errors
9900	Digital line and clocking errors
8d00	Voice Message service errors
9100	DSP service layer errors
FF00	Host driver errors

Topics in this section contain AG error messages in table format organized by error type. Refer to the specific error code table for the error code, error name, description, and category of each error message.

For information about the format of the error message, refer to AG error format.

Error categories

The Category column in each error code table uses the numerals 1 through 5 to describe the cause of the error message. The following table defines the categories of returned errors:

Category	Description
1	Application or programming error.
2	Serious board problem. Contact NMS Communications.
3	Serious internal error. Contact NMS Communications.
4	Software configuration error. Check the current configuration, and modify as required.
5	Hardware configuration error. Check cables and connectors.

Error types 8000 and 8100

The following table lists the 8000 type (system) and 8100 type (DSP driver) errors:

Error code	Error name	Description	Category
-1	NO_SUCH_MSGTYP	Invalid message code.	3
-2	NO_PROCESSORS_BOOTED	No DSPs booted.	2/3
-3	SMALL_BUFS_NO_MEM	Not enough system memory for small buffer pool. <i>Resolution:</i> Check board configuration file and make sure Buffer[x].Num keyword value is set correctly.	4
-4	SMALL_BUFS_NO_CREATE	Failed to create small buffer pool.	3

Error code	Error name	Description	Category
-5	LARGE_BUFS_NO_MEM	Not enough system memory for large buffer pool. <i>Resolution:</i> Check board configuration file and make sure Buffer[x].Num keyword value is set correctly.	4
-6	LARGE_BUFS_NO_CREATE	Failed to create large buffer pool.	3
-7	NO_MEM_BUF_AVAILABLE	Not enough system memory for allocation request. <i>Resolution:</i> Check board configuration file and make Buffer[x].Num keyword value smaller.	4
-8	CANT_FREE_MEM_BUF	Failed to free memory buffer or area.	3
-9	AMX_RSRC_INIT_FAIL	Failed to initialize AMX resource.	3
-10	TPROC_NUM_OUT_OF_RANGE	Task processor number out of range.	3
-11	TPROC_ALREADY_INIT	Task processor already initialized.	3
-12	TPCB_MEM_ALLOC_FAIL	Failed to allocate task processor memory in driver.	3
-13	TLIST_CMEM_ALLOC_FAIL	Failed to allocate task list memory in CMEM.	3
-14	TPROC_WILL_NOT_INIT	Failed to initialize task processor.	3

Error code	Error name	Description	Category
-15	OCB_MEM_ALLOC_FAIL	Failed to allocate OCB memory in DSP driver.	3
-16	OVLY_DUPLICATE_IDS	Different overlays have the same ID. <i>Resolution:</i> Make sure you do not load identical DSP algorithms at the same time (for example, the <i>dtmf</i> and <i>dtmfe</i> DSP files).	4
-17	OVLY_ALREADY_LOADED	Overlay is already loaded into driver memory. <i>Resolution:</i> Make sure you do not download A-law and mu-law DSPs at the same time.	4
-18	OVLY_MEM_ALLOC_FAIL	Failed to allocate memory for overlay in driver.	3
-19	CANT_FREE_OVLY_BUF	Failed to free buffer passing overlay.	3
-20	OVLY_NOT_FOUND	Overlay ID not found in OCB list.	3
-21	CANT_FREE_OVLY_BLOCK	Failed to free overlay cleared from driver.	3
-22	OVLY_NOT_IN_DRIVER	Overlay not in driver for downloading to CMEM.	3
-23	OVLY_ALREADY_IN_CMEM	Overlay is already downloaded to CMEM.	3
-24	OVLY_WONT_FIT_IN_CMEM	Failed to allocate overlay space in CMEM.	3

Error code	Error name	Description	Category
-25	OVLY_NOT_IN_CMEM	Overlay is not currently in CMEM.	3
-26	CANT_FREE_CMEM_OVLY	Failed to free overlay space in CMEM.	3
-27	OVLY_IDCHK_BAD	Overlay ID in CMEM does not match the driver overlay ID.	3
-28	OVLY_ALREADY_CLEARED	Overlay is already cleared from CMEM.	3
-29	TPROC_NOT_YET_INIT	Task processor not yet initialized.	3
-30	CANT_LOAD_DEFAULT_OVLY	Task processor failed to load default overlay.	3
-31	CANT_FREEZE_CMEM	Failed to freeze CMEM and allocate dynamic blocks.	3
-32	NO_MVIP_CNF_ACTIVE	No MVIP configuration block is active.	3
-33	MVIP_PROCESSOR_ERROR	MVIP processor is reporting a hardware configuration error. <i>Resolution:</i> Check MVIP bus connectors.	5/2
-34	TASK_PROCESSOR_ERROR	A task processor is reporting an error.	3
-35	BOOT_EXTRA_BUF_PROBLEM	Cannot allocate memory check buffer on DSP booting.	3
-36	BOOT_CMEM_CHECK_ERROR	CMEM memory test failed on DSP booting.	3
-37	SMALL_BUFS_NO_REINIT	Failed to reinitialize small buffer pool.	3

Error code	Error name	Description	Category
-38	LARGE_BUFS_NO_REINIT	Failed to reinitialize large buffer pool.	3
-39	PORT_ALREADY_OPEN	Port is already open.	3
-40	PORT_IN_USE	Port cannot be closed because it is not in use.	3
-41	STREAM_NOT_AVAILABLE	Selected MVIP stream is not currently active.	3
-42	PORTS_IN_USE	Cannot select other MVIP stream set when ports are open.	3
-43	CHANNEL_ALREADY_OPEN	No more available channels.	3
-45	NO_MEM_FOR_CCB	Failed to allocate memory for CCB.	3
-46	CHANNEL_WAKE_MSG_FAIL	Wake-up message to channel task failed.	3
-47	CHANNEL_NUM_OUT_OF_RANGE	Channel number is out of range.	3
-48	CHANNEL_ALREADY_CLOSED	Channel is already closed.	3
-49	CHANNEL_LIST_NOT_EMPTY	Cannot close until all channel lists are empty.	3
-50	CHANNEL_ABORT_MSG_FAIL	Channel abort message failed.	3
-51	CANT_FREE_CCB_MEM	Failed to free CCB memory.	3
-52	FDB_BUFFER_SIZE_ERROR	FDB buffer size and internal size information conflict.	3

Error code	Error name	Description	Category
-53	FDB_DUPLICATE_IDS	Two FDBs have the same ID.	4
-54	FDB_MEM_ALLOC_FAIL	Failed to allocate memory for the FDB.	3
-55	CANT_FREE_FDB_BUF	Failed to free buffer passing FDB.	3
-56	PORT_NOT_OPEN	Cannot assign port until open.	3
-57	SCB_ALLOC_FAIL	Failed to allocate buffer for SCB.	3
-58	PORT_ALREADY_ALLOCATED	Output port is already assigned.	3
-59	INPUT_PORT_INDEX_COLLISION	No other output port assigned for forking.	3
-60	PORT_NOT_IN_USE	Cannot release the port because it is not open.	3
-61	PORT_NOT_OWNED_OR_IDLE	Cannot release the port because it is either not owned or not being used.	3
-62	CANT_FREE_SCB	Failed to free SCB memory buffer.	3
-63	CHANNEL_NOT_OPEN	Request made to closed channel.	3
-64	INPUT_BUF_ALLOC_FAIL	Cannot allocate input buffer for direct connect.	3
-65	STREAM_BUF_ALLOC_FAIL	Cannot allocate CMEM stream buffer for direct connect.	3
-66	PORT_NOT_CONNECTED	Port is not directly connected.	3

Error code	Error name	Description	Category
-67	CANT_FREE_STREAM_BUF	Cannot free CMEM stream buffer on disconnect.	3
-68	CANT_FREE_INPUT_BUF	Cannot free input buffer on disconnect.	3
-69	CANT_FREE_OUTPUT_BUF	Cannot free output buffer on disconnect.	3
-70	CANT_FIND_PORT_SCB	Port SCB missing on disconnect.	3
-71	CANT_SEND_EVENT	Failed to send event message to channel task.	3
-72	CANT_RELEASE_BUFFER	Failed to free empty buffer.	3
-73	CANT_REPORT_BUF_DONE	Failed to report buffer done to channel task.	3
-74	CONTINUATION_BUF_ALLOC_FAIL	Failed to allocate next buffer when needed.	3
-75	CANT_PASS_BUFFER	Failed to pass buffer to channel task.	3
-76	OUTPUT_BUF_QUEUE_OVERFLOW	Too many downward buffers submitted.	3
-77	CANT_FIND_FDB	FDB ID not found in list. Did not download default DSP algorithms. <i>Resolution:</i> Make sure you specified <i>signal.dsp</i> and <i>dtmf.dsp</i> in the board keyword file.	3
-78	WRONG_NMBR_PARMS_PASSED	Wrong number of parameters passed on function start.	4

Error code	Error name	Description	Category
-79	TVB_ALLOC_FAIL	Failed to allocate task variable block in CMEM. Tried to start too many instances of DSP algorithms at the same time (for example, echo canceling, FAX).	1/4
-80	CANT_FREE_PARM_BUFFER	Failed to free buffer-passing function parameters.	3
-81	CANT_ALLOC_SFCB	Failed to allocate SCB for function.	3
-82	NO_INPUT_PORT_FOR_FUNC	Function needs input port not in LIFO.	3
-83	CANT_ALLOC_STREAM_BUF	Cannot allocate stream buffer for function in CMEM. Tried to start too many instances of DSP algorithms at the same time (for example, echo canceling, FAX).	1/4
-84	CANT_FREE_SPCB	Cannot free SCB buffer used in LIFO.	3
-85	NO_OUTPUT_PORT_FOR_FUNC	Function needs output port not in LIFO.	3
-86	CANT_ALLOC_S3CB	Cannot allocate SCB for coprocessor stream.	3
-87	NOT_ENOUGH_BUFFERS_PASSED	Not enough buffers were passed to start function.	3

Error code	Error name	Description	Category
-88	CANT_ALLOC_INPUT_BUF	Failed to allocate input buffer on function start. Tried to run too many instances of play/record. <i>Resolution:</i> Make Buffer[x].Num keyword value smaller in the board keyword file.	1/4
-89	PASSED_BUFFERS_LEFT_OVER	Buffers were left over on function start.	3
-90	CANT_FREE_PASSED_BUF	Cannot free down buffer on function stop.	3
-91	CANT_ALLOC_SPCB	Cannot allocate SCB for LIFO on function stop.	3
-92	CANT_FREE_SFCB	Cannot free function SCB on function stop.	3
-93	CANT_FREE_S3CB	Cannot free coprocessor SCB on function stop.	3
-94	FCB_FOR_DIFFERENT_CHANNEL	Channel number in FCB is incorrect.	3
-95	CANT_FREE_FCB	Failed to free FCB buffer on function stop.	3
-96	TL_OVLY_NOT_IN_CMEM	Overlay not in CMEM when list building needs it.	3
-97	TL_OVLY_NOT_LOADED	Overlay not in task processor when list building needs it.	3

Error code	Error name	Description	Category
-98	TL_BUILD_LIST_OVERFLOW	Added list piece overflowed temporary build area.	3
-99	TL_OVERLAY_NOT_FOUND	Overlay not in OCB list when needed.	3
-100	TL_OVERLAY_NOT_IN_CMEM	Overlay not in CMEM when needed.	3
-101	TL_PROC_NOT_FOUND	No task processor can run requested function. Too many DSP algorithms are started at the same time. Used up all on board MIPS.	1/4
-102	TL_REM_FUNC_NOT_FOUND	Function to stop does not own any list entries.	3
-103	TL_REM_NO_EOL	Function owns past end of task list.	3
-104	TL_REM_BAD_LOAD_FORMAT	Overlay load list format invalid.	3
-105	TL_REM_TOO_MANY_SEPS	Invalid list structure.	3
-106	CANT_ALLOC_FCB	Cannot allocate FCB buffer on function start.	3
-107	CANT_FIND_FCB	Cannot find FCB in list on function stop	3
-108	COMMAND_STREAM_BUSY	Command already queued when a second command was issued.	3
-109	COMMAND_TOO_BIG	More parameters passed in command than in command stream.	3

Error code	Error name	Description	Category
-110	NO_COMMAND_STREAM	Command given with no associated active stream.	3
-111	CANT_REPORT_BUF_STARTED	Report of up buffer on function startup failed.	3
-112	INPUT_BUF_QUEUE_OVERFLOW	Too many buffer size values passed on function startup.	3
-113	CANT_FREE_TVB_BUF	Cannot free TVB in CMEM on function stop.	3
-114	PORT_FOR_IDLE_NOT_FOUND	On change idle command, port not found.	3
-115	OVERFLOW_10MS_STREAMS	Not all 10 ms events and buffers arrived in time. The 386 CPU overloaded trying to run more DSP algorithms than available (for example, trying to run 60 ports of voice).	3
-116	DB_PORT_NOT_IDLE	DB port already connected on connection request.	1/4
-117	DB_NOT_MVIP_CONNECTED	DB port not of MVIP type on disconnect.	3
-118	DB_PORT_NUM_TOO_BIG	DB port number argument passed too big.	3
-119	DB_PORT_NOT_IDLE_CHAN	On disconnect from channel, slot not idle.	3
-120	DB_PORT_WRONG_CHAN	On disconnect, channel number wrong.	3

Error code	Error name	Description	Category
-121	DB_PORT_WRONG_INDEX	On disconnect, index does not match.	3
-122	DB31_DEMUX_TASK_NOT_DONE	Demux semaphore not set on 10 ms period.	3
-123	DB31_MUX_TASK_NOT_DONE	Mux semaphore not set on 10 ms period.	3
-124	NO_SPACE_READING_DRV_STRUCT	Buffer too small to retrieve driver structure.	3
-125	WRONG_NUM_OVLAYS_ASSIGNED	Either too many overlays or no default overlay given.	3
-126	LIST_TOO_HIGH_IN_CMEM	Task processor list allocated into MPROC code area. Custom configuration is invalid. Allocated more than 3K of list space for all task processors.	4
-127	CMEM_TIMED_OUT	CMEM timed out. The DSP overlay ran out of time before finishing its processing. This may occur because too many channels are run through a single DSP program instance on a DSP/task processor.	3
-128	FMIC_ERROR	CT bus clock error. Resolution: Check CT bus cables.	4/5
-129	UNEXPECTED_DB_INTERRUPT	DB31 hardware access blocked by DSP.	3

Error code	Error name	Description	Category
-130	TASK_PROCESSOR_NOT_READY	DSP overloaded or crashed.	3
-131	BAD_EVENT_FORMAT	Mail message from DB31 has invalid format.	3
-132	READ_STRUCT_BUF_TOO_SMALL	Large buffers are too small to send debug information.	3
-133	OVLY_SIZE_BAD	Overlay buffer size does not match header.	3
-134	FILTER_ACTIVE_WHEN_STOPPING	Port stream not idle when function stop issued.	3
-135	NO_BROADCAST_TO_FILTER_PORT	Port out stream can go only to filter function, and not to MVIP.	3
-142	UNEXPECTED_HSCX_INTERRUPT	Not used.	3
-143	OBSOLETE_DSPDRV_FUNCTION	Not used.	4
-144	MEDIUM_BUFS_NO_MEM	Insufficient memory for medium buffer pool. <i>Resolution:</i> Make sure Buffer[x].Num keyword value is set correctly in the board keyword file.	3
-145	MEDIUM_BUFS_NO_CREATE	Unable to create medium buffer pool.	3
-147	NO_OUTPUT_PORT_FOR_MPROC_FUNC	No port for signaling function.	3
-148	NO_INPUT_PORT_FOR_MPROC_FUNC	No port for signaling function.	3

Error code	Error name	Description	Category
-149	MPROC_INPUT_NOT_USED	Attempted to release an unused slot.	3
-150	MPROC_OUTPUT_NOT_USED	Attempted to release an unused slot.	3
-151	MPROC_INPUT_USED	Attempted to assign an active slot.	3
-152	MPROC_OUTPUT_USED	Attempted to assign an active slot.	3
-153	HMIC_ERROR	HMIC error.	3
-180	FUNCTION_INSTANCE_EXISTS	Function already in table.	3
-181	TOO_MANY_ACTIVE_FUNCTIONS	Function table overflow.	3
-182	UNKNOWN_C51_FUNCTION_ID	Unknown DSP function ID.	3
-183	DRVAPI_EMUL_INTERNAL_ERROR	Internal error in DSP driver.	3
-184	UNMATCHED_SIGNAL_SLOTS	Internal error in DSP driver.	3
-200	DSPERR_TIMER_ERROR	Not used.	3
-201	DSPERR_FILTER_ENGINE_ERROR	Not used.	3
-301	DSPERR_NO_RESOURCES	Insufficient resources (MIPs, memory, pins) available on a DSP to create a filter.	3
-302	DSPERR_UNKNOWN_SOURCE	Not used.	3
-303	DSPERR_OUT_OF_MEMORY	Insufficient memory.	3
-304	DSPERR_DRIVER_ALREADY_OPENED	Not used.	4

Error code	Error name	Description	Category
-305	DSPERR_INVALID_FILTER_ID	Not used.	3
-306	DSPERR_INVALID_TIMESLOT	Not used.	3
-307	DSPERR_INVALID_HANDLE	No context associated with handle.	3
-308	DSPERR_BAD_CLUSTER_ID	Not used.	3
-309	DSPERR_NO_MORE_CONTEXTS	Context pool full. OpenDriver failed.	3
-310	DSPERR_INVALID_PIN	Tried to connect/disconnect an invalid pin.	3
-311	DSPERR_BAD_FILTER_ENGINE_ID	Invalid filter engine ID. ID is greater than maximum.	3
-312	DSPERR_FILTER_ENGINE_ID_USED	Filter engine is already in DSP driver database.	3
-313	DSPERR_BAD_GROUP_ID	ID is greater than maximum.	3
-314	DSPERR_INVALID_QUEUE_COUNT	Failed to create DPF start packet.	3
-315	DSPERR_CANT_FIND_FUNCTION	Tried to start a function on a filter engine. Resolution: Make sure the default DSP algorithm (for example, the DTMF DSP file) is listed in the board keyword file.	4
-316	DSPERR_INVALID_SLOT_ID	Not used.	3

Dialogic® NaturalAccess™ Board and Driver Error Reference

Error code	Error name	Description	Category
-317	DSPERR_INVALID_PIN_TYPE	A filter engine does not support this pin type.	3
-318	DSPERR_OVERRAN_TIME_SLICE	The DSP algorithm overran the amount of time it was allotted. CPU overloaded (for example, tried to run 60 ports of voice).	1/4
-319	DSPERR_TIME_SLICE_LOST	Not used.	3
-321	DSPERR_CONNECT_ERROR	Pin connection failed, or pins incompatible.	3
-322	DSPERR_DISCONNECT_ERROR	Error breaking connection, or invalid pin.	3
-323	DSPERR_CREATE_FILTER_ERROR	Cannot create filter.	3
-324	DSPERR_FILTER_STATE_ERROR	Not used.	3
-325	DSPERR_INVALID_PIN_ERROR	Invalid pin handle.	3
-326	DSPERR_INVALID_FILTER_CMD	Incorrect command sent to filter (start sent to running filter, or stop sent to stopped filter).	3
-327	DSPERR_REQUEST_DATA_ERROR	Data requested from a filter proxy, or from an HPI input or HPI output pin.	3
-328	DSPERR_MAKE_MAPPING_ERROR	Not used.	3
-329	DSPERR_BREAK_MAPPING_ERROR	Not used.	3

Error code	Error name	Description	Category
-330	DSPERR_CONNECT_DIRECTION_ERROR	Attempted to connect an input pin to an input pin, or an output pin to an output pin.	3
-331	DSPERR_CONNECT_PIN_CLASS_ERROR	Attempted to connect pins of different classes.	3
-332	DSPERR_CONNECT_PIN_TYPE_ERROR	Attempted to connect two AG terminal pins or two HPI pins.	3
-333	DSPERR_INVALID_FUNCTION_CALLED	Invalid function ID sent to signaling library.	3
-334	DSPERR_INVALID_INPUT_PIN_COUNT	Number of input pins created does not match DDF definition.	3
-335	DSPERR_INVALID_OUTPUT_PIN_COUNT	Number of output pins created does not match DDF definition.	3
-336	DSPERR_INVALID_ALGORITHM_TYPE	Invalid DSP algorithm type specified.	3
-337	DSPERR_FATAL_DSPOS_ERROR	DSPOS fatal error. DSP halted.	3
-338	DSPERR_INVALID_COMMAND	Invalid command message sent to DSP driver or filter engine.	3
-339	DSPERR_CANT_START_FUNCTION	Filter engine not running.	3
-340	DSPERR_PIN_ALREADY_CREATED	Pin already created.	3

Error code	Error name	Description	Category
-341	DSPERR_NOT_ENOUGH_RESOURCES	Filter creation failed because of lack of resources (not enough calculated memory or out of instances that can be created).	3
-342	DSPERR_ENGINE_CMD_INVALID	Invalid command sent to filter engine.	3
-343	DSPERR_INVALID_OBJECT_INFO_CMD	Invalid object information command sent to DSP driver.	3
-344	DSPERR_CANT_FREE_BUFFER	Not used.	3
-345	DSPERR_CANT_CREATE_BUFFER_POOL	Allocation of buffer pool failed.	3
-346	DSPERR_ALLOC_SIZE_TOO_LARGE	The size was greater than the maximum buffer size of the buffer pool.	3
-347	DSPERR_BUFFER_POOL_EMPTY	All buffers have been allocated.	3
-348	DSPERR_FREE_BUFFER_ADDR	The address of the buffer was not in the memory space allocated for the buffer pool.	3
-349	DSPERR_BUFFER_ADDR_NOT_MOD	The address of the buffer was not aligned with the beginning of a buffer.	3
-350	DSPERR_BUFFER_DOUBLE_FREE	The buffer is being freed twice.	3
-351	DSPERR_INVALID_INSTANCE_HANDLE	Invalid instance handle provided.	3

Error code	Error name	Description	Category
-352	DSPERR_EVENT_SIZE_TOO_LARGE	An AG terminal pin has a maximum of 16 words per event. A DSP generated an event larger than 16 words.	3
-353	DSPERR_ENGINE_CMDS_NOT_SUPPORTED	An AG terminal pin has a maximum of 16 words per event. A DSP generated an event larger than 16 words.	3
-354	DSPERR_C54X_STOPPED_TICKING	The DSP should update the tick count every 1 ms, event N ms polled. The DSP tick should never be the same.	3
-355	DSPERR_NO_CS_MAPPING_OBJECT	Not allowed to make circuit switch connections.	3
-356	DSPERR_PIN_COUNT_ERROR	Internal error. Pin count does not match the number of actual pointers to pins.	3
-357	DSPERR_INPUT_PIN_ALREADY_CONNECTED	DSP error. Input pin already connected (you can connect an input to only one output).	3
-358	DSPERR_PIN_TOO_MANY_CONNECTIONS	Output was connected to more inputs than supported.	3
-359	DSPERR_FILTER_ENGINE_START_TIMEOUT	Filter engine boot timeout.	3
-360	DSPERR_FILTER_ENGINE_NOT_STARTED	Not used.	3
-361	DSPERR_CMD_TOO_LARGE	Internal DSP command too large.	3

Error code	Error name	Description	Category
-362	DSPERR_UNKNOWN_OBJECT	Tried to create or destroy an unknown object.	3
-363	DSPERR_OBJECT_NOT_FOUND	Tried to delete an object creator that does not exist.	3
-364	DSPERR_OUT_OF_HANDLES	No more handles available for allocation.	3
-365	DSPERR_OUT_OF_PINS	Filter engine is out of pins.	3
-366	DSPERR_UNKNOWN_PIN_TYPE	Filter engine failed to allocate pins. Type is not CIRCUIT_SWITCHED or DATA_SWITCHED.	3
-369	DSPERR_BOOT_IMAGE_NOT_FOUND	Failed to start a filter engine. Boot image is not loaded.	3
-370	DSPERR_MAX_BOOT_IMAGE_EXCEEDED	Failed to load a boot image.	3
-371	DSPERR_IMAGE_PARSE_FAILED	Invalid boot image.	3
-372	DSPERR_IMAGE_REFERENCED	Tried to unload a used boot image.	3
-373	DSPERR_C54X_CMD_QUEUE_OVERFLOW	HPI command queue is full.	3
-374	DSPERR_C54X_BAD_CMD_QUEUE_PTR	HPI command queue offset is out of range.	3
-375	DSPERR_C54X_BAD_EVENT_QUEUE_PTR	HPI event queue offset is out of range.	3
-376	DSPERR_C54X_DATA_QUEUE_OVERFLOW	HPI data output queue overflow.	3

Error code	Error name	Description	Category
-377	DSPERR_C54X_BAD_DATA_QUEUE_PTR	Internal error in data input or data output queue.	3
-378	DSPERR_COMPACTON_QUEUE_FULL	Compaction queue in filter engine is full.	3
-379	DSPERR_INVALID_START_PACKET	An invalid start packet was sent to a filter.	3
-380	DSPERR_INTERNAL_ERROR	An internal error occurred.	3
-381	DSPERR_ENGINE_ALREADY_STARTED	A start command was sent to a currently running filter engine.	3
-382	DSPERR_INVALID_BOOT_IMAGE	Invalid DSP boot image.	3
-383	DSPERR_C54X_INVALID_EVENT_SIZE	Invalid size in a message in the HPI event queue.	3
-384	DSPERR_HMIC_CONNECT_FAILED	CS mapping manager failed to make or break a connection. Exceeded capacity of MVIP to local connections by making connections in your application, by running swish, or because of the PPX configuration file.	1/4
-385	DSPERR_IMAGE_ALREADY_LOADED	Image already loaded.	1
-386	DSPERR_NO_CRITICAL_SECTION_EXISTS	Improper critical section exit.	3
-387	DSPERR_ENGINE_NOT_RUNNING	DSP in invalid state.	3
-388	DSPERR_INVALID_LOCATION_TYPE	Invalid location type.	1

Error code	Error name	Description	Category
-389	DSPERR_DSP_TO_HOST_DATA_OVERFLOW	DSP data lost (not fatal).	3
-390	DSPERR_FRAME_SYNC_RECOVERED	Clock error (recovered).	4
-391	DSPERR_COMBINER_REQUEST_WRONG_SIZE	DynamicRecordBuffers was configured, but the submitted record buffers were not all the same size.	1/4

Error type 8200

The following table lists the 8200 type (channel-specific system) errors:

Error code	Error name	Description	Category
-513	BAD_HOST_COMMAND_SEM	Not used.	3
-514	BAD_HOST_CMD_BUF_CNT	More than four buffers were attached to the message read from SRAM by host command task.	3
-515	CANT_GET_HOST_CMD_BUF	Could not allocate an AMX buffer to hold an SRAM message buffer. Tried to run too many instances of play/record. Buffer[x].Num keyword value is invalid.	4
-516	CNT_POST_HCMTD_TO_SUP	Not used.	3
-517	CANT_POST_HCMTD_TO_CH	Failed to send a message to the intended channel manager (agsend failed).	3

Error code	Error name	Description	Category
-518	CANT_WAIT_HOST_EVENT	Failed to wait for message to be enqueued into the common event AMX message exchange (ajmxwat failed).	3
-519	BAD_HOST_EVENT_SEM	Not used.	3
-520	CANT_CHANGE_EVENT_PRI	Occurs while changing task priority.	3
-521	CANT_FREE_EVENT_BUF	Failed to free AMX buffer.	3
-522	CANT_ATTACH_MORE_MGRS	Number of managers/channels exceeded while attaching a manager.	3
-523	CANT_FIND_MANAGER_ID	Invalid manager ID while attaching a manager.	3
-524	MANAGER_NOT_ATTACHED	Invalid manager ID while detaching a manager.	3
-525	UNPROCESSED_MESSAGE	Message dispatcher received an unknown message.	3
-526	CANT_SEND_HOST_MSG	Not used.	3
-527	CANT_SEND_MSG_TO_CHAN	Failed to send a message to a channel (inter_channel_send, mgrsend, dispatcher, terminate_channel).	3
-528	HCMD_CHANNEL_NOT_OPEN	HCommand message channel not open.	3
-529	CANT_GET_TASK_STACK	Not used.	3
-530	CHAN_TASK_CREATE_ERROR	Failed to create a channel task.	3

Error code	Error name	Description	Category
-531	CANT_REPORT_START_CHAN	Not used.	3
-532	CANT_SET_CHAN_TERM	Failed to setup task termination procedure.	3
-533	NO_CH_TSKS_AVAILABLE	Not used.	3
-534	CHAN_ALREADY_STOPPED	Tried to stop a channel that is already stopped.	3
-535	CANT_KILL_CHAN_TASK	Not used.	3
-536	CANT_DELETE_CHAN_TASK	Error deleting channel task.	3
-537	CANT_SIGNAL_HOST_EVENT	Not used.	3
-538	CANT_CREATE_CHAN_TIMER	Error creating channel timer.	3
-539	CANT_DELETE_CHAN_TIMER	Error deleting channel timer.	3
-540	CANT_FREE_TASK_STACK	Not used.	3
-541	MGR_ALREADY_ATTACHED	Manager already attached.	3
-542	CHANNEL_OUT_OF_RANGE	Message channel out of range of acceptable channel values.	3
-543	FATAL_FAULT_OR_TRAP	The coprocessor halted due to an exception or trap.	3
-544	AMX_FATAL_EXIT	A fatal error occurred in the coprocessor kernel.	3
-545	DEST_CHANNEL_NOT_OPEN	Destination channel is not open.	3
-546	CANT_ALLOC_CONTEXTS	Failed to allocate memory.	3
-547	DB31_TOKEN_NOT_GRANTED	DB31 hardware access blocked by DSP.	3

Error code	Error name	Description	Category
-548	DB31_BAD_MAIL_MESSAGE	Mail message from DB31 has invalid format.	3
-551	INVALID_CHANNEL_NUMBER	Invalid channel number.	3
-552	ISDN_STACKS_TRAP	The ISDN stack reported an error. <i>Resolution:</i> Restart the ISDN stack.	3
-554	INTER_CHANNEL_SEND_FAILED	A call to interchannel send failed (used in <i>svcre.c</i>).	3
-555	CS_RESOURCE_QUEUE_ERROR	A queue error occurred for call setup resources.	3
-556	CS_RESOURCE_TIMER_ERROR	A timer error occurred for call setup resources.	3
-557	CS_RESOURCE_LOCK_ERROR	Resource semaphore lock error occurred.	3
-559	STUB_MANAGER_CALLED	Missing run module. <i>Resolution:</i> Specify the correct <i>.leo</i> file in the board keyword file.	4
-560	TOO_MANY MANAGERS	Too many run modules.	4
-561	MANAGER_ALREADY_IN_TABLE	Run module is not unique.	3
-562	STOP_COUNTER_UNDERFLOWED	Supervisor internal error.	3
-563	EVENT_MAILBOX_OVERFLOWED	One or more events were lost. Assign a higher priority interrupt to AG boards.	3
-564	CHANNEL_LIBRARY_NOT_INIT	Channel library not initialized.	3

Error code	Error name	Description	Category
-565	SIGNAL_LIBRARY_NOT_INIT	Signal library not initialized.	3
-566	SIGNAL_FUNC_ALREADY_ACTIVE	Attempted to start active signaling function.	3
-567	SIGNAL_FUNC_NOT_ACTIVE	Attempted to use inactive signaling function.	3
-568	CHANNEL_HANDLE_TABLE_ERROR	Internal error.	3
-569	CANT_SEND_ERROR_TO_HOST	Unable to send normal error message.	3

Error type 8400

The following table lists the 8400 type (TCP manager) errors:

Error code	Error name	Description	Category
- 1024	GTPERR_MGR04_NOT_CONFIGURED	START_MANAGER given before CONFIGURE_MGR.	3
- 1025	GTPERR_BAD_ENGINE_REV	TCP requires different GTP engine revision.	3
- 1026	GTPERR_BAD_CHANNEL_NUMBER	Invalid channel number.	3
- 1027	GTPERR_BAD_TCP_NAME	Invalid TCP.	3
- 1028	GTPERR_BAD_BUFFER_COUNT	Invalid number of buffers passed.	3
- 1029	GTPERR_BAD_BUFFER_SIZE	Inconsistent buffer size.	3
- 1030	GTPERR_BAD_PARAMETER_COUNT	Invalid parameter count.	3
- 1031	GTPERR_BAD_PARAMETER_INDEX	Bad parameter index.	3

Error code	Error name	Description	Category
-1032	GTPERR_PARAM_INIT_ERROR	Cannot initialize parameter. Parameter is out of range.	3
-1033	GTPERR_TOO_MANY_TCPS	Attempted to load more TCPS than the maximum allowed.	3
-1034	GTPERR_CANNOT_ALLOCATE_TCP	Cannot allocate TCP memory.	3
-1035	GTPERR_CANNOT_FREE_TCP	Cannot deallocate TCP memory.	3

Error type 8500

The following table lists the 8500 type (GTP engine) errors:

Error code	Error name	Description	Category
-1280	TCPERR_BAD_ENGINE_STATE	Incorrect engine state.	3
-1282	TCPERR_BAD_STATE_RECORD_ID	Incorrect state record ID.	3
-1283	TCPERR_BAD_STATE_NUMBER	Bad state number.	3
-1284	TCPERR_BAD_STATE_INDEX	Bad state index.	3
-1285	TCPERR_BAD_PARAMETER_COUNT	Bad parameter count.	3
-1286	TCPERR_BAD_PARAMETER_INDEX	Bad parameter index.	3
-1287	TCPERR_BAD_TCP_INDEX	Bad TCP index.	3
-1288	TCPERR_BAD_RECORD_SIZE	Bad record size.	3
-1289	TCPERR_BAD_FUNCTION_ORDINAL	Bad service function ordinal.	3
-1290	TCPERR_BAD_SERVICE_ARG_LIST	Bad service argument list.	3
-1291	TCPERR_BAD_SERVICE_NO_ARGUM	Bad number of service arguments.	3
-1292	TCPERR_BAD_ARGUMENT_TYPE	Bad argument type.	3

Error code	Error name	Description	Category
-1293	TCPERR_BAD_TCP_NAME	Bad TCP name.	3
-1296	TCPERR_TOO_MANY_REPLIES	Too many replies used in TCP.	3
-1297	TCPERR_TCP_NOT_RUNNING	TCP has not been started.	3
-1298	TCPERR_BAD_STATE_0_FUNC	Bad service within state 0 initialization.	3
-1299	TCPERR_CANNOT_FALL_THROUGH	Bad ON statement to fall through.	3
-1300	TCPERR_GTP_COMMAND_IGNORED	Unexpected command to GTP engine.	3
-1301	TCPERR_BAD_FUNC_IN_TRGREC	Bad service within trigger record.	3
-1302	TCPERR_BAD_FUNC_IN_STATE	Bad service within state initialization.	3
-1303	TCPERR_BAD_FUNC_IN_SUBR	Bad service within subroutine initialization.	3
-1304	TCPERR_INVALID_TRGREC_ID	Invalid trigger record ID.	3
-1321	TCPERR_INVALID_REC_ID_SIZE	Invalid record ID size.	3
-1322	TCPERR_SUBR_ON_NOT_FOUND	Subroutine ON statement not found.	3
-1323	TCPERR_BAD_SERVICE_RETURN	Service manager returned an error code.	4
-1324	TCPERR_INVALID_TOKEN_INDEX	Request to access token out of range.	3
-1325	TCPERR_ILLEGAL_BRANCH	Request to branch out of range.	3
-1328	TCPERR_CANNOT_ALLOC_MEM	Cannot allocate AMX memory.	3
-1331	TCPERR_BAD_SVC_ARG_VALUE	Incorrect argument value in service routine.	3

Error code	Error name	Description	Category
-1332	TCPERR_BAD_BUFFER_COUNT	Bad buffer count.	3
-1342	TCPERR_BAD_SVC_RETURN	Service routine returned a bad code.	3
-1343	TCPERR_CANNOT_REPLY_ASYNC	Cannot use REPLY on ASYNC events.	3

Error type 8d00

The following table lists the 8d00 type (Voice Message service manager) errors:

Error code	Error name	Additional information returned	Category
-1	AGV_ERROR_UNSUPPORTED_CMD	Command, 0.	3
-2	AGV_ERROR_UNSUPPORTED_MODE	Command, data.	3
-3	AGV_ERROR_COMMAND_NOT_IMPL	Command.	3
-4	AGV_ERROR_WRONG_BUF_COUNT	Command, buffer count.	3
-5	AGV_ERROR_WRONG_PARM_COUNT	Command, parameter count.	3
-6	AGV_ERROR_UNEXPECTED_CMD	Command, current function.	3
-7	AGV_ERROR_UNEXPECTED_EVENT	Message type, parm0.	3
-8	AGV_ERROR_ACTIVE_FUNCTION	Command, state.	3
-9	AGV_ERROR_DRVAPI_ERROR	DSP error, command.	3
-10	AGV_ERROR_SVC_ERROR	Service error, command.	3
-11	AGV_ERROR_TIMER_FAIL	Return code, 0/1/2.	3
-12	AGV_ERROR_EVENT4WRONGFUNC	Message function, current state.	3
-13	AGV_ERROR_UNEXPECTED_BUFF	State.	3
-14	AGV_ERROR_BUFFER_OVERRUN	Buffer count.	3

Error code	Error name	Additional information returned	Category
-15	AGV_ERROR_WRONG_BUFFER_DIR	Buffer.	3
-16	AGV_ERROR_INTERNAL_ERROR	Error number.	3
-17	AGV_ERROR_MEMALLOC	Command, error code.	3
-18	AGV_ERROR_MGR_NOT_INIT	Command, 0.	3
-19	AGV_ERROR_INVALID_PARM	Command, parameter value.	3
-20	AGV_ERROR_DSP_SERVICE	Command, error value.	3
-21	AGV_ERROR_DIGTIMING_ACTIVE	Command, 0.	3
-22	AGV_ERROR_FUNC_NOT_AVAIL	Command, 0.	3
-23	AGV_ERROR_NO_DSP_RESOURCE	No additional information.	3

Error type 9100

The following table lists the 9100 type (DSP service layer) errors:

Error code	Error name	Description	Category
4353	SVCERR_INVALID_ARG	Invalid argument value passed.	3
4354	SVCERR_NUM_OF_ARGS	Invalid number of arguments.	3
4355	SVCERR_FUNC_NOT_STARTED	Cannot modify inactive function.	3
4356	SVCERR_CANNOT_RESTART	Cannot restart active function.	3
4357	SVCERR_TIMER_CREATE_ERROR	Error creating timers.	3
4358	SVCERR_TIMER_ERROR	Error using timing services.	3

Error code	Error name	Description	Category
4359	SVCERR_MEMORY_ALLOC	Error doing memory allocation.	3
4360	SVCERR_ACCESS_DENIED	Function is locked.	3
4361	SVCERR_FUNC_NOT_AVAILABLE	Function not loaded or available.	3
4362	SVCERR_NO_IO_POST	No port for DSP function.	3
4363	SVCERR_MEMORY_FREE	Heap error.	3
4364	SVCERR_UNHANDLED_SVC	No handler for event.	3
4365	SVCERR_NO_DSP_RESOURCES	No MIPS or place for function.	3
4668	SVCERR_OUT_OF_MEMORY	Unable to create resource queue.	3
4370	SVCERR_RESOURCE_QUEUE_FULL	The resource queue is full.	3
4371	SVCERR_RESOURCE_ALREADY_REQUESTED	The resource was already requested.	3
4372	SVCERR_RESOURCE_NOT_OWNED	Cannot release a resource that is not owned.	3
4373	SVCERR_RESOURCE_TIMER_ERROR	Unable to start resource timer.	3
4374	SVCERR_RESOURCE_ALREADY_OWNED	Resource is already owned.	3
4386	SVCERR_DRV_API_ERROR	DSP service layer internal error.	3

Error type 9a00

The following table lists the 9a00 type (HMIC) errors:

Error code	Error name	Description	Category
-9		Refer to AG clock manager errors.	
- 3072	HMICERR_LIBRARY_NOT_USABLE	Not used.	3
- 3073	HMICERR_LIBRARY_NOT_INITIALIZED	Not used.	3
- 3074	HMICERR_LOCK_CREATION_FAILED	Could not create AMX resource semaphore for HMIC.	3
- 3075	HMICERR_LOCK_FAILED	Could not lock HMIC resource semaphore.	3
- 3076	HMICERR_UNLOCK_FAILED	Failed to unlock HMIC resource semaphore.	3
- 3077	HMICERR_DELAY_FAILED	Frame delay failed.	3
- 3078	HMICERR_CONNECT_REFERENCE_CNT	Not used.	3
- 3079	HMICERR_INVALID_BUS	Bus is invalid.	3
- 3080	HMICERR_INVALID_STREAM	Stream is invalid.	3
- 3081	HMICERR_INVALID_TIMESLOT	Timeslot is invalid.	3
- 3082	HMICERR_INVALID_CLOCK_PARM	Not used.	3
- 3083	HMICERR_INVALID_MODE	Framed connect mode is invalid if MVIP is in connect mode, and vice versa.	3

Error code	Error name	Description	Category
- 3084	HMICERR_INVALID_PARAMETER	Physical address received as source while breaking connection.	3
- 3085	HMICERR_NO_PATH	Failed to make a connection to DSP driver.	3
- 3086	HMICERR_SWICH_VERIFY_FAILED	Switch number passed from the DSP driver is greater than number of secondary HMICs.	3
- 3087	HMICERR_CONNECT_NOT_SUPPORTED	This error is returned if one of the following was true while making or breaking a mapping: <ul style="list-style-type: none"> Physical address is already mapped to a logical address. Mapping from one secondary HMIC to another. Mapping logical to logical. 	3
- 3088	HMICERR_MODE_NOT_SUPPORTED	HSEC8K_DRIVEN_BY_OSC mode for configuring sec8k clock is not supported.	3
- 3089	HMICERR_MVIP_NOT_ENABLED	Failed to configure HMIC clock because MVIP is not enabled.	3
- 3090	HMICERR_INVALID_MAP	Not used.	3
- 3091	HMICERR_LOCAL_NOT_ENABLED	Local is not enabled. Informational message.	3
- 3092	HMICERR_HW_INTERFACE_FAIL	Unknown mode (not framed connect or connect).	3
- 3093	HMICERR_CONSUME_MESSAGE	Not used.	3

Error code	Error name	Description	Category
- 3110	HMICERR_NO_RESOURCE	No free entries in HMIC mapping database.	3
- 3111	HMICERR_INVALID_CLK_MAIN_SRC	Invalid clock source.	3
- 3112	HMICERR_INVALID_CLK_FBK_SRC	Invalid fallback source.	3
- 3113	HMICERR_INVALID_CLK_NTREF1_SRC	Invalid NETREF1 source.	3
- 3114	HMICERR_INVALID_CLK_NTREF2_SRC	Invalid NETREF2 source.	3
- 3115	HMICERR_INVALID_CLK_MAIN_PATH	Invalid main clock path selection.	3
- 3116	HMICERR_INVALID_CLK_FBK_PATH	Invalid fallback clock path selection.	3
- 3117	HMICERR_INVALID_HMIC_REFERENCE	Invalid HMIC number.	3
- 3118	HMICERR_CLOCK_UPDATE_BUSY	Unable to lock HMIC data.	3
- 3119	HMICERR_UNKNOWN_H100_MASTER	Invalid selection for master mode.	3
- 3120	HMICERR_UNKNOWN_FBK_MODE	Invalid selection for fallback mode.	3
- 3121	HMICERR_UNKNOWN_LSCX_OUTPUT	Invalid LSCX stream.	3
- 3122	HMICERR_UNKNOWN_LSCX_CHOICE	Invalid LSCX signal.	3
- 3123	HMICERR_UNKNOWN_FG_PIN_CFG	Invalid frame group configuration.	3
- 3124	HMICERR_UNKNOWN_FG_SPEED	Invalid frame group speed.	3

Error code	Error name	Description	Category
- 3125	HMICERR_UNKNOWN_FG_WIDTH	Invalid frame group width.	3
- 3126	HMICERR_UNRECOGNIZED_REG	Invalid register.	3

AG clock manager errors

When the error code returned is -9, the error is a clock manager error. In this case, the error includes a hexadecimal string that indicates the type of clock manager error that occurred. For example:

```
9a00 200 0 0 11:32:07.02 2: -9. dc7
```

In this example, the error type is 9a00 with a -9 error code. Therefore it is a clock manager error. The dc7 hexadecimal string shows that the error is BDCFG_ERR_SM_CLOCK_CFG_FAILS. This error indicates that there was a failure when the clock fallback state machine issued a command.

The following table lists clock manager errors:

Hex	Error name	Description	Category
0x0D80	CLK_MGR_ERR_INVALID_PARAMETER	Parameters passed to function do not match requirements.	3
0x0D81	CLK_MGR_ERR_ILLEGAL_CLK_INDEX	Framer INDEX outside range of valid framers.	3
0x0D82	CLK_MGR_ERR_PREV_CLK_DEFINED	A framer instance already exists at this index.	3
0x0D83	CLK_MGR_ERR_UNRECOG_CLK_TYPE	Tried to create an invalid framer type. Framer type must be T1 or E1.	3

Hex	Error name	Description	Category
0x0D84	CLK_MGR_ERR_NO_CONFIG_BUF	No configuration buffer to send to init code.	3
0x0D85	CLK_MGR_ERR_NOT_INITIALIZED	Default error results are set to this.	3
0x0D86	CLK_MGR_ERR_NO_BUF	Command expected a buffer and none present.	3
0x0D87	CLK_MGR_ERR_UNABLE_TO_ENABLE_IRQ	Could not hook into IRQ chain.	3
0x0D88	CLK_MGR_ERR_UNABLE_TO_START_1SEC_THREAD	Unable to start thread for 1 second process.	3
0x0D89	CLK_MGR_ERR_UNABLE_TO_START_IRQ_THREAD	Unable to start thread for 1 second process.	3
0x0D8A	CLK_MGR_ERR_UNABLE_TO_CREATE_1SEC_LIST	Unable to create new function list for 1 second process.	3
0x0D8B	CLK_MGR_ERR_UNABLE_TO_CREATE_IRQ_LIST	Unable to create new function list for IRQ process.	3
0x0D8C	CLK_MGR_ERR_UNABLE_TO_CREATE_EVENT_HDL	Unable to create event handle for IRQ DPC code.	3
0x0D8D	CLK_MGR_ERR_UNABLE_TO_CREATE_DPC_LIST	Unable to create list to handle DPCs.	3

Hex	Error name	Description	Category
0x0D8E	CLK_MGR_ERR_UNABLE_TO_CREATE_BDCLKCFG	Unable to create or get handle for BD_CLK_CFG.	3
0x0D8F	CLK_MGR_ERR_UNABLE_TO_CREATE_CLOCKSM	Unable to create or get handle for CLOCKSM.	3
0x0D90	CLK_MGR_ERR_UNABLE_TO_CREATE_CRIT_SECT	Unable to create critical section for CLOCKSM.	3
0x0D91	CLK_MGR_ERR_UNABLE_TO_GET_CRIT_SECT	Timed out getting CLOCKSM critical section.	3
0x0DC0	BDCFG_ERR_NO_HMIC_FOUND	No HMIC found.	2
0x0DC1	BDCFG_ERR_UNRECOG_PARAMETER	Invalid clocking parameter.	3
0x0DC2	BDCFG_ERR_BAD_CTBUS_CLOCK_SRC	Clock source to be used was in alarm.	5
0x0DC3	BDCFG_ERR_ONLY_SUPPORT_8KHZ	NETREF signals on this board support only 8 kHz operation.	4
0x0DC4	BDCFG_ERR_NO_NETWORK_INSTANCE	Clock source to be used does not exist or is not configured.	5
0x0DC5	BDCFG_ERR_CLOCK_SOURCE_IN_ALARM	Clock source to be used was in alarm.	5
0x0DC6	BDCFG_ERR_NO_MVIP_CLK_SUPPORT	No MVIP bus support.	4

Hex	Error name	Description	Category
0x0DC7	BDCFG_ERR_SM_CLOCK_CFG_FAILS	Failed when clock fallback state machine issued command.	3
0x0DC8	BDCFG_ERR_NO_NETREF_ON_WDOG	Failed to detect NETREF signal on I/O after configured to drive the signal.	5
0x0DC9	BDCFG_ERR_CANNOT_GET_CLK_REG_HNDL	Failed to get handle to write HMIC registers.	3
0x0DCA	CLKSM_ERR_STANDALONE_NO_SRC	Both clock sources failed while running standalone mode.	5
0x0DCB	CLKSM_ERR_PRIMARY_NO_SRC	Both clock sources failed while running primary mode.	5
0x0DCC	CLKSM_ERR_SECONDARY_NO_SRC	Both clock sources failed while running secondary mode.	5
0x0DCD	CLKSM_ERR_SLAVE_NO_SRC	Both clock sources failed while running slave mode.	5
0x0DCE	BDCFG_ERR_LREF_PREVIOUS_IN_USE	LREF previously in use - clocking restriction.	4

Error types 9900

The following table lists the 9900 (digital line and clocking) errors:

Error code	Error name	Description	Category
-2049	AGLCERR_LOCK_FAILED	Failed to wait for a resource.	3
-2050	AGLCERR_UNLOCK_FAILED	Failed to unload a semaphore.	3
-2051	AGLCERR_NOT_READY	Interrupt processing failed.	3
-2055	AGLCERR_INVALID_TRUNK	Trunk is out of range.	3
-2056	AGLCERR_INVALID_CHANNEL	Tried to configure a channel which is out of range.	3
-2057	AGLCERR_LOOPBACK_NOT_SUPPORTED	Requesting a loopback is an error since framer does not support per channel loopback.	3
-2058	AGLCERR_CANNOT_CHANGE_FRAME	Frame type cannot be changed on the fly.	3
-2059	AGLCERR_INVALID_PARAMETER	Invalid parameter passed to configuration functions (for example, framer, line code, line type).	3
-2060	AGLCERR_ASSERT	Received unexpected messages.	3
-2061	AGLCERR_MONITOR_DELAY	Interrupt processing procedure takes more than one second.	3
-2062	AGLCERR_MONITOR_FAILED	Lock failed more than two times. Monitor task should exit.	3
-2063	AGLCERR_REG_CHECK_FAILED	Reading indirect base returned an unexpected value.	3
-2064	AGLCERR_POLL_FAILED	Not used.	3
-2065	AGLCERR_UNEXPECTED_INTERRUPT	Received an unexpected E1/T1 interrupt while processing interrupts.	3

Error code	Error name	Description	Category
-2066	AGLCERR_UNKNOWN_BOARDTYPE	AGLC initialized with an unknown board type.	3
-2067	AGLCERR_IBCD_UNEXPECTED	Pertains to the second parameter. One of the following occurred: <ul style="list-style-type: none"> • Already activated. Missed assert. • Loopback not activated. • Missed assert. Do not deactivate because may have received a deassert deactivate at the same time as an assert activate (if the two interrupts came at the same time). 	3
-2068	AGLCERR_LOOPBACK_FAILED	Failed to configure loopback.	3
-2069	AGLCERR_LOOPBACK_CONFLICT	Loopback already exists.	3
-2070	AGLCERR_TOO_MANY_INTERRUPTS	More interrupts than can be handled.	3
-2071	AGLCERR_PARAM_FILE_CONFLICT	Parameter file conflict. Second parameter is ((option << 16) T1/E1_RCV_OPT_VERSION_NUMBER)).	3
-2072	AGLCERR_INVALID_BER_THRESHOLD	BER alarm threshold is less than BER alarm off threshold.	3
-2073	AGLCERR_MONITOR_RUNNING	AGLC manager error. Monitor already running.	3
-2074	AGLCERR_MONITOR_INACTIVE	AGLC manager error. Monitor currently inactive.	3
-2075	AGLCERR_SEND_FAILED	Received an unexpected E1/T1 interrupt while processing interrupts.	3
-2077	AGLCERR_BAD_PARM_COUNT	Alarm registration failed. Wrong parameter count.	3

Error code	Error name	Description	Category
-3072	HMICERR_LIBRARY_NOT_USABLE	Not used.	3
-3073	HMICERR_LIBRARY_NOT_INITIALIZED	Not used.	3
-3074	HMICERR_LOCK_CREATION_FAILED	Could not create AMX resource semaphore for HMIC.	3
-3075	HMICERR_LOCK_FAILED	Could not lock HMIC resource semaphore.	3
-3076	HMICERR_UNLOCK_FAILED	Failed to unlock HMIC resource semaphore.	3
-3077	HMICERR_DELAY_FAILED	Frame delay failed.	3
-3078	HMICERR_CONNECT_REFERENCE_CNT	Not used.	3
-3079	HMICERR_INVALID_BUS	Bus is invalid.	3
-3080	HMICERR_INVALID_STREAM	Stream is invalid.	3
-3081	HMICERR_INVALID_TIMESLOT	Timeslot is invalid.	3
-3082	HMICERR_INVALID_CLOCK_PARAMETER	Not used.	3
-3083	HMICERR_INVALID_MODE	Framed connect mode is invalid if MVIP is in connect mode, and vice versa.	3
-3084	HMICERR_INVALID_PARAMETER	Physical address received as source while breaking connection.	3
-3085	HMICERR_NO_PATH	Failed to make a connection to DSP driver.	3
-3086	HMICERR_SWITCH_VERIFY_FAILED	Switch number passed from the DSP driver is greater than number of secondary HMICs.	3

Error code	Error name	Description	Category
-3087	HMICERR_CONNECT_NOT_SUPPORTED	This error is returned if one of the following was true while making or breaking a mapping: <ul style="list-style-type: none"> Physical address is already mapped to a logical address. Mapping from one secondary HMIC to another. Mapping logical to logical. 	3
-3088	HMICERR_MODE_NOT_SUPPORTED	HSEC8K_DRIVEN_BY_OSC mode for configuring sec8k clock is not supported.	3
-3089	HMICERR_MVIP_NOT_ENABLED	Failed to configure HMIC clock because MVIP is not enabled.	3
-3090	HMICERR_INVALID_MAP	Not used.	3
-3091	HMICERR_LOCAL_NOT_ENABLED	Local is not enabled. Informational message.	3
-3092	HMICERR_HW_INTERFACE_FAIL	Unknown mode (not framed connect or connect).	3
-3093	HMICERR_CONSUME_MESSAGE	Not used.	3
-3110	HMICERR_NO_RESOURCE	No free entries in HMIC mapping database.	3
-3111	HMICERR_INVALID_CLK_MAIN_SRC	Invalid clock source.	3
-3112	HMICERR_INVALID_CLK_FBK_SRC	Invalid fallback source.	3
-3113	HMICERR_INVALID_CLK_NTREF1_SRC	Invalid NETREF1 source.	3
-3114	HMICERR_INVALID_CLK_NTREF2_SRC	Invalid NETREF2 source.	3
-3115	HMICERR_INVALID_CLK_MAIN_PATH	Invalid main clock path selection.	3

Error code	Error name	Description	Category
-3116	HMICERR_INVALID_CLK_FBK_PATH	Invalid fallback clock path selection.	3
-3117	HMICERR_INVALID_HMIC_REFERENCE	Invalid HMIC number.	3
-3118	HMICERR_CLOCK_UPDATE_BUSY	Unable to lock HMIC data.	3
-3119	HMICERR_UNKNOWN_H100_MASTER	Invalid selection for master mode.	3
-3120	HMICERR_UNKNOWN_FBK_MODE	Invalid selection for fallback mode.	3
-3121	HMICERR_UNKNOWN_LSCX_OUTPUT	Invalid LSCX stream.	3
-3122	HMICERR_UNKNOWN_LSCX_CHOICE	Invalid LSCX signal.	3
-3123	HMICERR_UNKNOWN_FG_PIN_CFG	Invalid frame group configuration.	3
-3124	HMICERR_UNKNOWN_FG_SPEED	Invalid frame group speed.	3
-3125	HMICERR_UNKNOWN_FG_WIDTH	Invalid frame group width.	3
-3126	HMICERR_UNRECOGNIZED_REG	Invalid register.	3

Error type FF00 (Solaris only)

The following table lists FF00 type (host driver) errors:

Error code	Error name	Additional information returned	Category
-22	AGERR_MSG_BALANCE_LOST	Channel, message.	3
-42	AGERR_LESS_THAN_48_BYTES	SRAM words left.	3
-43	AGERR_RECEIVE_MSG_COUNT	Count left, next message, SRAM location.	3

Error code	Error name	Additional information returned	Category
-44	AGERR_AGMSG_DATA	Buffer count, parameter count.	3
-81	AGERR_WRITE_QUEUE_EMPTY	AGHW is currently doing a write, but write queue is empty.	3
-100	AGERR_NO_STREAMS_MSG_BLOCK	Channel, message.	3
-101	AGERR_FLOW_CONTROLLED	Channel, message.	3
-102	AGERR_CANT_RESPOND_TO_MCTL	Command, AGERR_x.	3
-421	AGXERR_IDLE_CHANNEL	Channel, message.	3
-422	AGXERR_BAD_MSG_PARM	Pointer to open context, channel	3
-441	AGXERR_BAD_CHANNEL_NUMBER	Channel, message.	3
-481	AGXERR_CHANNEL_INFO	Pointer to open context, channel.	3
-482	AGXERR_ORPHAN_CHNL_CREATED	Board number, channel.	3
-483	AGXERR_BAD_MSG_SIZE	Size.	3
-484	AGXERR_BAD_MSG	Channel, message.	3
-485	AGXERR_BAD_MSG_UNIT	Unit.	3
-486	AGXERR_INVALID_STREAMS_MSG	STREAMS message type.	3
-501	AGXERR_FLOW_CONTROLLED	Channel, message.	3
-603	AGSERR_INVALID_MSGPARMS	Parameter count.	3
-610	AGSERR_PREVCLOSEFAILED	Not used.	3
-612	AGSERR_ORPHAN_CHNL_CREATED	Channel.	3
-613	AGSERR_SERVICE_PRIMITIVE	Primitive.	3
-614	AGSERR_WRONG_CHANNEL	Channel.	3

Error code	Error name	Additional information returned	Category
-620	AGSERR_BAD_MSG_UNIT	Unit.	3
-621	AGSERR_UNEXPECTED_SVC_PRIM	Primitive.	3
-622	AGSERR_DESTROY_CHNL_FAILED	Channel.	3
-623	AGSERR_UNEXPECTED_EVENT	Event.	3
-630	AGSERR_UNKNOWN_ERROR	Error.	3

Error type FF00 (Linux only)

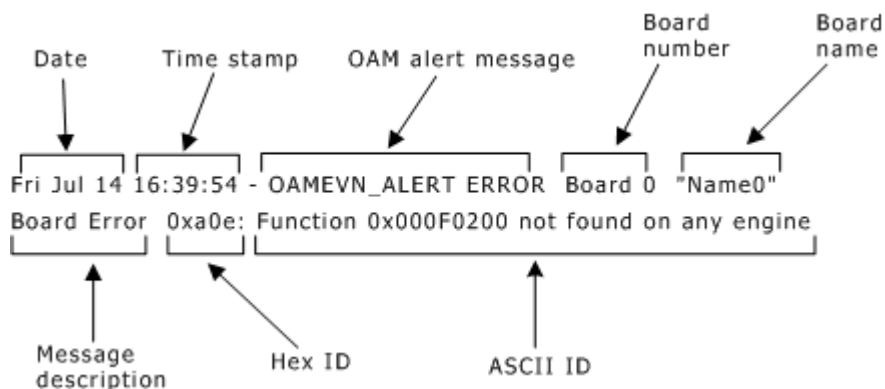
The following table lists FF00 type (host driver) errors:

Error code	Error name	Additional information returned	Category
-22	AGERR_MSG_BALANCE_LOST	Channel, message.	3
-42	AGERR_LESS_THAN_48_BYTES	SRAM words left.	3
-43	AGERR_RECEIVE_MSG_COUNT	Count left.	3
-44	AGERR_AGMSG_DATA	Buffer count, parameter count.	3
-100	AGERR_NO_STREAMS_MSG_BLOCK	Channel, message.	3

4. CG board and driver errors

CG error format

CG board error messages are formatted as follows:



The error messages contain the following fields:

Field	Description
Date	Date when error occurred.
Time stamp	Time when error occurred.
OAM alert message	Error message identifier.
Board number	Number assigned to board by NMS OAM.
Board name	Name assigned to board by NMS OAM.
Message description	Message type description.
Hex ID string	Hexadecimal identification string.
ASCII ID string	Text identification string.

CG error types

CG boards record boot time and runtime errors in the *logfile.xxx* file. Each error message is formatted as described in the topic, CG error format.

Additional tables in this section contain CG error messages organized by the hexadecimal identifier. Refer to the specific error code table for the error name, hexadecimal identifier, description, and category of each error message.

Error categories

The Category column in each error code table uses the numerals 1 through 5 to describe the cause of the error message. The following table defines the categories of returned errors:

Category	Description
1	Application or programming error.
2	Serious board problem. Contact NMS Communications.
3	Serious internal error. Contact NMS Communications.
4	Software configuration error. Check the current configuration, and modify as required.
5	Hardware configuration error. Check cables and connectors.

Generic manager errors (0x0100)

The following table lists the generic manager errors (0x0100):

Error name	Hex	Description	Category
MGR_ERROR_DESTINATION_NOT_FOUND	0x0102	Message sent to an unknown destination.	1
MGR_ERROR_OUT_OF_MEMORY	0x0103	No more memory.	3
MGR_UNKNOWN_MESSAGE	0x0104	Unrecognized message.	1

Filter manager errors (0x0200)

The following table lists the filter manager errors (0x0200):

Error name	Hex	Description	Category
FM_ERROR_INVALID_HANDLE	0x0202	Invalid handle to the filter manager.	1
FM_ERROR_OUT_OF_MEMORY	0x0203	No more memory in the filter manager.	3

Error name	Hex	Description	Category
FM_ERROR_INVALID_PARAMETER	0x0204	Invalid parameter in a function call.	1
FM_ERROR_PIN_CONNECT_FAILED	0x0205	Could not connect the pins.	1
FM_ERROR_UNKNOWN_FILTER_TYPE	0x0206	Filter type (DSP function) unrecognized.	4
FM_ERROR_LIMITED_OR_NO_RESOURCES_FOUND	0x0207	Not enough resources.	4
FM_ERROR_RM_NUM_ENTIRES_TOO_LARGE	0x0208	Not enough resources.	4
FM_ERROR_DEFRES_OUT_OF_MEMORY	0x0209	No more memory.	3

Host interface errors (0x0400)

The following table lists the host interface errors (0x0400):

Error name	Hex	Description	Category
HOST_IF_ERROR_INVALID_PARAM	0x0402	Invalid parameter in a function call.	1
HOST_IF_ERROR_OUT_OF_MEMORY	0x0403	No more memory.	3
HOST_IF_ERROR_UNKNOWN_ADDRESS	0x0404	Message from host to an unknown destination.	1
HOST_IF_ERROR_BAD_SEND_POINTERS	0x0406	Communications corrupted between the host and the board.	3
HOST_IF_ERROR_UP_BUFFER_FULL	0x0407	Host busy, deferring sending message.	-
HOST_IF_ERROR_DATA_TOO_BIG_FOR_BUF	0x0408	Board error sending message to host.	3
HOST_IF_ERROR_BAD_CONTROL_BLOCK	0x040A	Bad data from host.	3

Error name	Hex	Description	Category
HOST_IF_ERROR_BUFSIZE_ZERO	0x040C	Inbound buffer size of 0 received.	3
HOST_IF_ERROR_BAD_BUFSIZE	0x040D	Bad data from host.	3

PCI interface errors (0x0450)

The following table lists the PCI interface errors (0x0450):

Error name	Hex	Description	Category
PCI_RECV_UNKNOWN_REPLY	0x0451	Corrupted communications between the host and the board.	3
PCI_RECV_UNKNOWN_REQ	0x0452	Corrupted communications between the host and the board.	3
PCI_RECV_STOP_REPLY_NON_ZERO_STATUS	0x0453	Corrupted communications between the host and the board.	3
PCI_OUT_OF_TO_HOST_MSG_FRAME	0x0454	Buffer overflow between the board and the host.	3
PCI_INBD_QUEUE_FULL	0x0456	Buffer overflow between the host and the board.	3
PCI_ERROR_INVALID_TO_HOST_MSG_FRAME	0x0459	Corrupted communications between the host and the board.	3

Error name	Hex	Description	Category
PCI_ERROR_INVALID_TO_HOST_MSG_DATA	0x045A	Corrupted communications between the host and the board.	3
PCI_ERROR_INVALID_FROM_HOST_MSG_FRAME	0x045B	Corrupted communications between the host and the board.	3
PCI_ERROR_INVALID_FROM_HOST_MSG_DATA	0x045C	Corrupted communications between the host and the board.	3

Executive errors (0x0500)

The following table lists the executive errors (0x0500):

Error name	Hex	Description	Category
EXEC_ERROR_OUT_OF_MEMORY	0x0502	No more memory.	3
EXEC_ERROR_INVALID_PARAM	0x0503	Invalid parameter in a function call.	1
EXEC_BOARD_ALREADY_INIT	0x0552	Board was reconfigured without a reset.	3
EXEC_INCOMPATIBLE_CORE_VERSION	0x0555	Flash needs to be updated with <i>burnall</i> .	4
EXEC_WATCHDOG FIRED	0x0556	Board usage has reached 100 percent or low priority tasks are blocked.	4

Factory errors (0x0600)

The following table lists the factory errors (0x0600):

Error name	Hex	Description	Category
FACTORY_ERROR_INVALID_PARAM	0x0602	Invalid parameter in a function call.	3
FACTORY_ERROR_OUT_OF_MEMORY	0x0603	No more memory.	3
FACTORY_UNRECOGNIZED_OBJECT	0x0604	Unrecognized object.	3
FACTORY_ERROR_OUT_OF_RESOURCES	0x0605	No more resources to allocate.	4
FACTORY_ERROR_FUNCTION_NOT_AVAILABLE	0x0606	Filter function requested is not loaded on the board.	4

Buffer pool errors (0x0700)

The following table lists the buffer pool errors (0x0700):

Error Name	Hex	Description	Category
POOLERR_FREE_BUFFER_ADDR	0x0701	Attempted to free an invalid address.	3
POOLERR_BUFFER_DOUBLE_FREE	0x0702	Double buffer free.	3
POOLERR_BUFFER_OVERRUN	0x0703	Buffer was overrun.	3
POOLERR_BUFFER_ADDR_NOT_MOD	0x0704	Attempted to free an invalid address.	3
POOLERR_ALLOC_SIZE_TOO_LARGE	0x0705	Too large an allocation.	3
POOLERR_BUFFER_POOL_EMPTY	0x0706	No more buffers.	3
POOLERR_COULD_NOT_CREATE	0x0707	No more memory.	3

Legacy manager errors (0x0800)

The following table lists the legacy manager errors (0x0800):

Error name	Hex	Description	Category
LEGACY_MANAGER_ERROR_INVALID_PARAM	0x0802	Invalid legacy manager function call.	1
LEGACY_MANAGER_ERROR_OUT_OF_MEMORY	0x0803	No more memory.	3
LEGACY_MANAGER_ERROR_ODD_FRAME	0x0804	Record buffer was not a frame multiple.	3
LEGACY_MANAGER_ERROR_CHNL_0_EVENT	0x0805	Unexpected event on channel 0.	3
LEGACY_MANAGER_AG_ERROR	0x0806	Error reported from AG subsystem.	3
LEGACY_MANAGER_NOT_INIT	0x0807	Legacy manager not initialized.	3
LEGACY_MANAGER_ERROR_INVALID_CHANNEL	0x0808	Legacy manager received an invalid channel number.	3
LEGACY_MANAGER_GOT_UNKNOWN_MESSAGE	0x0809	Legacy manager received an unknown message.	3
LEGACY_MANAGER_INTERNAL_ERROR	0x0810	Legacy manager had an internal database problem.	3

Error name	Hex	Description	Category
LEGACY_MGR_ENDPOINT_ALREADY_IN_USE	0x0813	Attempted to start echo on a DS0 endpoint that was already in use.	1
LEGACY_MGR_NO_ENDPOINT_FOR_TIMESLOT	0x0814	PSTN endpoints not defined.	1
LEGACY_MGR_ENDPOINT_NOT_OWNED	0x0816	Attempted to release the endpoint of another context.	1
LEGACY_MGR_ENDPOINT_WRONG_TYPE	0x0817	Wrong Fusion filter type for native play or record.	1
NATIVE_RECORD_REORDER_ERROR	0x0821	Native record error.	3
NATIVE_PLAY_STOP_ERROR	0x0824	Native play stop failed.	3

Pin errors (0x0900)

The following table lists the pin errors (0x0900):

Error name	Hex	Description	Category
PIN_ERROR_INVALID_PARAM	0x0902	Invalid pin parameter.	1
PIN_ERROR_OUT_OF_MEMORY	0x0903	No more memory.	3
PIN_ERROR_FAN_OUT	0x0904	Too many input pins connected to one output pin.	1
PIN_ERROR_FAN_IN	0x0905	Too many output pins connected to one input pin.	1
PIN_ERROR_DROPPING_DATA	0x0906	Unconnected pin. Data dropped.	1

Error name	Hex	Description	Category
PIN_ERROR_CS_IS_UNKNOWN	0x0907	Internal pin error.	3
PIN_ERROR_INVALID_PIN	0x0908	Pin does not exist.	1
PIN_ERROR_ADDRESS_IN_USE	0x0909	Circuit switched pin stream and timeslot already in use.	1

Filter engine (DSP) errors (0x0A00)

The following table lists the filter engine (DSP) errors (0x0A00):

Error name	Hex	Description	Category
FILTER_ENGINE_ERROR_OUT_OF_MEMORY	0x0A02	No more memory.	3
FILTER_ENGINE_BAD_PARAMETER	0x0A03	Invalid parameter to the filter engine.	3
FILTER_ENGINE_NOT_STARTED	0x0A04	Filter engine has not been started.	3
FILTER_ENGINE_TOO_MANY_FILTERS	0x0A05	Too many filters created on one DSP.	1
FILTER_ENGINE_CONFIG_FAILED	0x0A06	Could not configure the filter engine.	3
FILTER_ENGINE_DSP_IN_USE	0x0A07	DSP was already booted.	3
FILTER_ENGINE_BAD_IMAGE	0x0A08	Invalid DSP image downloaded to the board.	4
FILTER_ENGINE_FUNCTION_NOT_FOUND	0x0A09	DSP function not available.	4
FILTER_ENGINE_NO_RESOURCES_AVAIL	0x0A0A	Not enough resources.	4

Error name	Hex	Description	Category
FILTER_ENGINE_BAD_FILTERTYPE	0x0A0B	Attempted to create an unrecognized filter type.	1
FILTER_ENGINE_ERR_NULL_PFILTER	0x0A0C	Unrecognized filter type.	3
FILTER_ENGINE_ERR_ENG_NOT_RUNNING	0x0A0D	DSP engine is not running; cannot create filters.	3
FILTER_ENGINE_ERR_FUNC_NOT_ON_ENG	0x0A0E	Function is not loaded on the engine.	4
FILTER_ENGINE_ERROR_BOOT_FAILED	0x0A0F	Failed to boot a DSP.	2
FILTER_ENG_ERR_USAGE_EXCEEDS_RESDEF	0x0A10	More DSP resources used than are defined in the resource.	4
FILTER_ENG_ERR_USAGE_EXCEEDS_ENG_RESOURCES	0x0A11	More DSP resources used than are available on the DSP.	4
FILTER_ENGINE_ERROR_ALLOCATING_TIMESLOTS	0x0A12	DSP engine could not allocate timeslots from switching.	3
FILTER_ENGINE_ERROR_NO_TERMINAL_ID	0x0A13	DSP engine not found in switching model.	3

Error name	Hex	Description	Category
FILTER_ENG_ERR_USAGE_EXCEEDS_ENG_MEM_RESOURCE	0x0A14	More DSP functions were started than were reserved.	1

Image manager errors (0x0B00)

The following table lists the image manager errors (0x0B00):

Error name	Hex	Description	Category
IMAGE_MGR_ERROR_INVALID_PARAM	0x0B01	Invalid parameter to the image manager.	3
IMAGE_MGR_ERROR_OVERFLOW	0x0B02	Too many DSP images downloaded to the board.	4
IMAGE_MGR_ERROR_IMAGE_NOT_FOUND	0x0B03	Tried to delete a non-existent DSP image.	1

Switching errors (0x0C00)

The following table lists the switching errors (0x0C00):

Error name	Hex	Description	Category
SWITCH_MGR_ERROR_INVALID_PARAM	0x0C01	Invalid switching command.	1
SWITCH_MGR_ERROR_OUT_OF_MEMORY	0x0C02	No more memory.	3
SW_ERR_OUT_OF_MEMORY	0x0C20	Switching ran out of memory.	3
SW_ERR_HARDWARE_NOT_FOUND	0x0C21	Switching hardware not found.	3
SW_ERR_TIMESLOT_IN_USE	0x0C22	Internal switching error.	3

Error name	Hex	Description	Category
SW_ERR_UNREACHABLE_TERMINAL	0x0C23	Internal switching error.	3
SW_ERR_WIRE_NOT_INTERCHANGER	0x0C24	Internal switching error.	3
SW_ERR_INVALID_TERMINALID	0x0C25	Internal switching error.	3
SW_ERR_INVALID_OPERATION	0x0C26	Internal switching error.	3
SW_ERR_NOT_POSSIBLE	0x0C27	TDM path not found.	1
SW_ERR_OUT_OF_BOUNDS	0x0C28	Internal switching error.	3
SW_ERR_STORE_EXCEEDED	0x0C29	Internal switching error.	3
SW_ERR_WRONG_RECORD_TYPE	0x0C2A	Internal switching state error.	3
SW_ERR_NO_PATH	0x0C2B	TDM path not found.	1
SW_ERR_NO_SUCH_HOP	0x0C2C	Internal switching state error.	3
SW_RECORD_NOT_FOUND	0x0C2D	Internal switching state error.	3
SW_ERR_INVALID_OBJECT_STATE	0x0C2E	Internal switching state error.	3

Error name	Hex	Description	Category
SW_ERR_INVALID_PARAMETER	0x0C2F	Internal switching state error.	3
SW_ERR_MAPPING_FAILED	0x0C30	Internal switching error.	3
SW_ERR_VIRTUAL_NOT_MAPPED	0x0C31	Internal switching error.	3
SWITCH_MGR_ERR_NOT_ENABLED	0x0C32	Hardware or EEPROM fault during initialization.	3
SW_ERR_TIMESLOTS NOT_AVAILABLE	0x0C33	Internal switching state error.	3
SW_ERR_INVALID_STREAM	0x0C34	Stream does not exist.	1
SW_ERR_PHYSICAL_TO_LOGICAL_MAP_FAILED	0x0C35	Internal switching error.	3
SW_ERR_DEVICE_ERROR	0x0C36	Internal signaling DSP error.	3
SW_ERR_NOT_SUPPORTED	0x0C37	Internal switching error.	3
SW_ERR_NO_SUCH_TIMESLOT	0x0C38	Internal switching error.	3
SWI_FAILED_TO_INITIALIZE	0x5000	Switching system initialization error.	3

Framer manager errors (0x0D00)

The following table lists the framer manager errors (0x0D00):

Error name	Hex	Description	Category
FRAMER_MGR_ERROR_INVALID_PARAM	0x0D01	Invalid framer command.	3
FRAMER_MGR_ERROR_OUT_OF_MEMORY	0x0D02	No more memory.	3
FRMR_MGR_ERR_INVALID_PARAMETER	0x0D03	Parameters passed to the function do not match the requirements.	3
FRMR_MGR_ERR_ILLEGAL_FRAMER_INDEX	0x0D04	Framer INDEX outside the range of valid framers.	3
FRMR_MGR_ERR_PREV_FRAMER_DEFINED	0x0D05	A framer instance already exists at this index.	3
FRMR_MGR_ERR_UNRECOG_FRAMER_TYPE	0x0D06	Attempted to create an invalid framer type. Framer type must be T1 or E1.	3
FRMR_MGR_ERR_NO_CONFIG_BUF	0x0D07	No configuration buffer to send to init code.	3
FRMR_MGR_ERR_NONE_ALLOCATE	0x0D08	Call to a command with a framer instance that does not exist.	3

Error name	Hex	Description	Category
FRMR_MGR_ERR_UNABLE_TO_START_1SEC_THREAD	0x0D09	Unable to start the thread for a 1 second process.	3
FRMR_MGR_ERR_UNABLE_TO_START_IRQ_THREAD	0x0D0A	Unable to start the thread for a 1 second process.	3
FRMR_MGR_ERR_UNABLE_TO_CREATE_1SEC_LIST	0x0D0B	Unable to create a new function list for a 1 second process.	3
FRMR_MGR_ERR_UNABLE_TO_CREATE_IRQ_LIST	0x0D0C	Unable to create a new function list for an IRQ process.	3
FRMR_MGR_ERR_UNABLE_TO_CREATE_EVENT_HDL	0x0D0D	Unable to create an event handle for an IRQ DPC code.	3
FRMR_MGR_ERR_UNABLE_TO_CREATE_DPC_LIST	0x0D0E	Unable to create a list to handle DPCs.	3
FRMR_MGR_ERR_NO_BUF	0x0D0F	Command expected a buffer that was not present.	3
FRMR_MGR_ERR_UNABLE_TO_ENABLE_IRQ	0x0D10	Could not hook into an IRQ chain.	3

Framer driver errors (0x0D40, 0x0D50)

The following table lists the framer driver errors (0x0D40, 0x0D50):

Error name	Hex	Description	Category
FRMR_ERR_NO_HW_ADDRESS	0x0D41	Could not find the framer hardware.	2
FRMR_ERR_SIGX_NO_READY	0x0D42	Failed to write SIGx. The board may have timed out.	2
FRMR_ERR_PCC_NO_READY	0x0D43	Failed to write per-channel control. The board may have timed out.	2
FRMR_ERR_UNRECOG_LINE_MODE	0x0D44	Invalid entry specified with the NetworkInterface.T1E1[x].Type keyword (PRI, RAW or CAS).	4
FRMR_ERR_UNRECOG_LINE_TYPE	0x0D45	Invalid entry specified with the NetworkInterface.T1E1[x].FrameType keyword (CEPT, D4, or ESF).	4
FRMR_ERR_UNRECOG_LINE_CODE	0x0D46	Invalid entry specified with the NetworkInterface.T1E1[x].LineCode keyword (B8ZS, HDB3, or AMI).	4
FRMR_ERR_NO_WRITE_EQ	0x0D47	Unable to read back the equalizer data after writing.	2
FRMR_ERR_NO_WRITE_PULSESHAPE	0x0D48	Unable to read back the pulse shape after writing.	2
FRMR_ERR_NO_IND_PULSESHAPE	0x0D49	Error reading and writing indirect registers at boot time.	2
FRMR_ERR_DATA_LINES_TST_FAIL	0x0D4A	Error reading and writing walking ones at boot time.	2
FRMR_ERR_ADD_LINES_TST_FAIL	0x0D4B	Error reading and writing walking ones at boot time.	2
FRMR_ERR_NO_IND_EQUALIZER	0x0D4C	Error reading and writing indirect registers at boot time.	2
FRMR_ERR_NO_IND_SIGX	0x0D4D	Error reading and writing indirect registers at boot time.	2

Error name	Hex	Description	Category
FRMR_ERR_NO_IND_TPSC	0x0D4E	Error reading and writing indirect registers at boot time.	2
FRMR_ERR_NO_IND_RPSC	0x0D4F	Error reading and writing indirect registers at boot time.	2
FRMR_ERR_UNABLE_TO_CREATE_TIMER	0x0D50	Idle thread. Unable to create a timer instance.	3
FRMR_ERR_NO_MORE_MON_AVAILABLE	0x0D51	No address available to add to the PMON list.	3
FRMR_ERR_PMON_ADDR_NOT_FOUND	0x0D52	Address to be removed from PMON not found.	3
FRMR_ERR_OUT_OF_MEMORY	0x0D53	Failed to create a message buffer for PMON.	3
FRMR_ERR_OOMEMORY_SEND_PARAMS	0x0D54	Parameter file return data to host is failing.	3
FRMR_ERR_OOMEMORY_SEND_BUFFER	0x0D55	Parameter file return data to host (buffer) is failing.	3
FRMR_ERR_WRONG_BUFFER_SIZE	0x0D56	Data file expected by the command was the wrong size.	3
FRMR_UNABLE_TO_ALLOCATE_MEMORY	0x0D57	Failed to allocate a memory block.	3
FRMR_ERR_DISABLING_IRQS	0x0D58	Too many IRQs pending. <i>Resolution:</i> Disable all IRQs.	5
FRMR_ERR_NO_MONITORS_AVAILABLE	0x0D59	No available trunk monitor channels.	3
FRMR_ERR_NO_VIRTUAL_FUNCTION	0x0D5A	No virtual function overriding base class function.	3
FRMR_ERR_IRQ_BUFFER_FULL	0x0D5B	Ring buffer for IRQ data was full when trying to add data.	3
FRMR_ERR_CANNOT_CREATE_IRQ_BUFFER	0x0D5C	Failed to create a ring buffer.	3

Error name	Hex	Description	Category
FRMR_ERR_NOT_INITIALIZED	0x0D5D	Default error results are set to this error. Error code not set correctly.	3
FRMR_ERR_NO_BUFFER_LEFT	0x0D5E	No buffers available to send up the driver variables.	3
FRMR_ERR_UNRECOG_RET_MSG_TYPE	0x0D5F	Sending status found an unrecognized message type to send.	3
FRMR_ERR_NO_HANDLE_FOR_HMIC	0x0D60	Unable to get handle to HMIC.	3
FRMR_ERR_FUNC_NOT_SUPPORTED	0x0D61	Requested operation is not supported.	1

CG clock manager errors (0x0D80, 0x0D90, 0xDC0)

The following table lists the CG clock manager errors (0x0D80, 0x0D90, 0xDC0):

Error name	Hex	Description	Category
CLK_MGR_ERR_INVALID_PARAMETER	0x0D80	Parameters passed to the function do not match the requirements.	3
CLK_MGR_ERR_ILLEGAL_CLK_INDEX	0x0D81	Framer INDEX outside the range of valid framers.	3
CLK_MGR_ERR_PREV_CLK_DEFINED	0x0D82	A framer instance already exists at this index.	3
CLK_MGR_ERR_UNRECOG_CLK_TYPE	0x0D83	Attempted to create an invalid framer type. Framer type must be T1 or E1.	3

Error name	Hex	Description	Category
CLK_MGR_ERR_NO_CONFIG_BUF	0x0D84	No configuration buffer to send to init code.	3
CLK_MGR_ERR_NOT_INITIALIZED	0x0D85	Default error results are set to this.	3
CLK_MGR_ERR_NO_BUF	0x0D86	Command expected a buffer and none is present.	3
CLK_MGR_ERR_UNABLE_TO_ENABLE_IRQ	0x0D87	Could not hook into an IRQ chain.	3
CLK_MGR_ERR_UNABLE_TO_START_1SEC_THREAD	0x0D88	Unable to start a thread for a 1 second process.	3
CLK_MGR_ERR_UNABLE_TO_START_IRQ_THREAD	0x0D89	Unable to start a thread for a 1 second process.	3
CLK_MGR_ERR_UNABLE_TO_CREATE_1SEC_LIST	0x0D8A	Unable to create a new function list for a 1 second process.	3
CLK_MGR_ERR_UNABLE_TO_CREATE_IRQ_LIST	0x0D8B	Unable to create a new function list for an IRQ process.	3
CLK_MGR_ERR_UNABLE_TO_CREATE_EVENT_HDL	0x0D8C	Unable to create an event handle for an IRQ DPC code.	3

Error name	Hex	Description	Category
CLK_MGR_ERR_UNABLE_TO_CREATE_DPC_LIST	0x0D8D	Unable to create a list to handle DPCs.	3
CLK_MGR_ERR_UNABLE_TO_CREATE_BDCLKCFG	0x0D8E	Unable to create or get a handle for BD_CLK_CFG.	3
CLK_MGR_ERR_UNABLE_TO_CREATE_CLOCKSM	0x0D8F	Unable to create or get a handle for CLOCKSM.	3
CLK_MGR_ERR_UNABLE_TO_CREATE_CRIT_SECT	0x0D90	Unable to create a critical section for CLOCKSM.	3
CLK_MGR_ERR_UNABLE_TO_GET_CRIT_SECT	0x0D91	Timed out getting the CLOCKSM critical section.	3
CLK_MGR_ERR_ILLEGAL_CLK_SRC_SELECTION	0x0D92	In Slave mode, the only fallback source allowed is the other CT bus clock.	1
CLK_MGR_ERR_CONNECTIONS_TO_HBUS_PRESENT	0x0D93	To switch to standalone, no connections to the H.100 bus can be present.	1
BDCFG_ERR_NO_HMIC_FOUND	0x0DC0	No HMIC found.	2

Error name	Hex	Description	Category
BDCFG_ERR_UNRECOG_PARAMETER	0x0DC1	Invalid clocking parameter.	3
BDCFG_ERR_BAD_CTBUS_CLOCK_SRC	0x0DC2	Clock source to be used was in alarm.	5
BDCFG_ERR_ONLY_SUPPORT_8KHZ	0x0DC3	NETREF signals on this board support only an 8 kHz operation.	4
BDCFG_ERR_NO_NETWORK_INSTANCE	0x0DC4	Clock source to be used does not exist or is not configured.	5
BDCFG_ERR_CLOCK_SOURCE_IN_ALARM	0x0DC5	Clock source to be used was in alarm.	5
BDCFG_ERR_NO_MVIP_CLK_SUPPORT	0x0DC6	No MVIP bus support.	4
BDCFG_ERR_SM_CLOCK_CFG_FAILS	0x0DC7	Failed when the clock fallback state machine issued command.	3
BDCFG_ERR_NO_NETREF_ON_WDOG	0x0DC8	Failed to detect the NETREF signal on I/O after configured to drive the signal.	5
BDCFG_ERR_CANNOT_GET_CLK_REG_HNDL	0x0DC9	Failed to get the handle to write HMIC registers.	3

Error name	Hex	Description	Category
CLKSM_ERR_STANDALONE_NO_SRC	0x0DCA	Both clock sources failed while running in standalone mode.	5
CLKSM_ERR_PRIMARY_NO_SRC	0x0DCB	Both clock sources failed while running in primary mode.	5
CLKSM_ERR_SECONDARY_NO_SRC	0x0DCC	Both clock sources failed while running in secondary mode.	5
CLKSM_ERR_SLAVE_NO_SRC	0x0DCD	Both clock sources failed while running in slave mode.	5
BDCFG_ERR_LREF_PREVIOUS_IN_USE	0x0DCE	LREF previously in use - clocking restriction.	4

Resource manager errors (0x0E00)

The following table lists the resource manager errors (0x0E00):

Error name	Hex	Description	Category
RM_ERROR_PARSING_RES_DEFINITION	0x0E01	Invalid resource definition.	4
RM_ERROR_COMBINING_RES_DEFINITIONS	0x0E02	Could not build a resource definition.	3
RM_ERROR_EMPTY_RESOURCE_STRING	0x0E03	An empty string was passed in for parsing.	4

Error name	Hex	Description	Category
RM_ERROR_INVALID_RES_DEFINITION	0x0E04	A lookup was done on a ResDef handle and NULL was returned.	3
RM_ERROR_DEF_SIZE_TOO_LARGE	0x0E05	Allocated only 800 characters for the host resource definition.	4
RM_ERROR_PARSING_PARENTHESES	0x0E06	Mismatch of parentheses.	4
RM_ERROR_MISSING_OPERATION_IN_DEF	0x0E07	An operation was missing in the resource definition.	4
RM_WARNING_EMPTY_HOSTRESOURCE_STRING	0x0E08	Host resource definition is empty. This is only a warning.	4
RM_ERROR_INVALID_PARAM	0x0E10	Invalid parameter in the resource function call.	1
RM_ERROR_LABEL_DEF_MISSING	0x0E11	No resource label.	4
RM_ERROR_TOO_MANY_ABSTRACT_IDS	0x0E12	Too many board keyword entries specified in one or more Resource[x].TCPs.	4
RM_ERROR_ABSTRACT_ID_NOT_LOADED	0x0E13	Could not find the abstract ID used in the resource definition.	3
RM_ERROR_INVALID_TIMESLOT_RANGE	0x0E14	Specified timeslot range too large.	1

Error name	Hex	Description	Category
RM_ERROR_ARRAY_FULL	0x0E20	Resource manager internal overflow.	3
RM_ERROR_NUM_ENTRIES_TOO_LARGE	0x0E21	Resource manager internal overflow.	3
RM_ERROR_OUT_OF_MEMORY	0x0E22	No more memory.	3
RM_ERROR_TOO_MANY_PRESTART_DPFS	0x0E23	Insufficient prestarts allocation. <i>Resolution:</i> Increase prestarts allocation.	3
RM_ERROR_TIMESLOT_OUT_OF_POOLRANGE	0x0E24	Timeslot is not in the range specified for this pool.	4
RM_ERROR_RES_OBJ_STILL_IN_USE	0x0E30	Internal resource manager error.	3
RM_ERROR_CREATING_RESOURCE_OBJECT	0x0E31	Internal resource manager error.	3
RM_ERROR_RESOURCE_NOT_IN_USE	0x0E32	A deallocate is received when object not in use.	3
RM_ERROR_NO_RESOBJECT_AVAILABLE	0x0E33	There were no free resource objects to allocate.	1
RM_WARNING_NO_RES_OBJ_ALLOCATED	0x0E34	A NULL is returned to a query.	3
RM_ERROR_PRESTART_MERGE_FAILURE	0x0E35	Error occurred when merging prestarts.	3

Error name	Hex	Description	Category
RM_ERROR_CREATE_FILTER_NOT_SUCCESS	0x0E36	There is a problem with the prestarts.	3
RM_ERROR_TS_ALREADY_ALLOC_RES_OBJ	0x0E37	Timeslot already has a resource object allocated to it.	4
RM_ERROR_RES_OBJ_ALREADY_EXISTS	0x0E38	Error in SetPoolforTimeslot when ResObj already there.	3
RM_ERROR_POOL_SIZE_SMALLER_THAN_RQSTED_POR TS	0x0E40	Internal resource manager error.	3
RM_ERROR_FILTERSUBTYPE_NOT_IN_IMAGE	0x0E41	The FilterSubtype was not built into the image.	4
RM_ERROR_FILTERSUBTYPE_NOT_ON_ENG	0x0E42	Unable to find subtype on engine.	4
RM_ERROR_INVALID_POOL_NAME	0x0E43	Pool does not exist.	1
RM_ERROR_ASSOCIATED_TS_POOL_NAME_NULL	0x0E44	Pool name was not associated with the timeslot.	1
RM_ERROR_LIST_ERROR	0x0E50	Item missing from the list.	3
RM_FACTORY_ERROR_NO_RESOURCES	0x0E60	Internal resource manager error.	3
RM_FACTORY_ERROR_NO_FSUBTYPE_IN_RESOBJ	0x0E61	Filter subtype to return engine not found.	4
RM_FACTORY_NO_ENGINES_FOUND	0x0E62	Looping in factory found no valid engines.	3

Error name	Hex	Description	Category
RM_FILTERMGR_PROBLEM_FREEING_MEM	0x0E70	Filter manager had problem freeing memory.	3
RM_FILTERMGR_OUT_OF_RESOURCES	0x0E71	Filter manager has no more resources to allocate.	3
RM_ERROR_NOT_ENABLED_IN_CONFIG_FILE	0x0E80	Response to a query call when NULL is returned.	4
RM_WARNING_BOTH_ECHO_TYPES_CONFIGURED	0x0E81	Both software and hardware echo are detected for use.	4

Generic errors (0x0F00)

The following table lists the generic errors (0x0F00):

Error name	Hex	Description	Category
FUNCTION_NOT_SUPPORTED	0x0F01	The specified object does not support this function.	1
INVALID_PARAMETERS	0x0F03	The object received invalid parameters on a function call.	1

HDLC manager errors (0x1000)

The following table lists the HDLC manager errors (0x1000):

Error name	Hex	Description	Category
HDLC_ERROR_INVALID_PARAMETER	0x1000	Parameter error in an HDLC function call.	3
HDLC_ERROR_OUT_OF_MEMORY	0x1001	No more memory.	3
HDLC_ERROR_UNKNOWN_COMMAND	0x1002	Unrecognized HDLC command.	3

Error name	Hex	Description	Category
HDLC_ERROR_DEVICE_CREATION_FAILED	0x1003	Could not create an HDLC object.	3
HDLC_ERROR_DEVICE_DESTRUCTION_FAILED	0x1004	Could not destroy an HDLC object.	3
HDLC_ERROR_INVALID_HANDLE	0x1005	Invalid handle in an HDLC function call.	3
HDLC_ERROR_ISR_BUFFER_FULL_FROM_FRMR	0x1006	Receive an HDLC buffer overrun.	3
HDLC_ERROR_TX_QUEUE_FULL	0x1007	Transmit HDLC buffer overrun.	3

EEPROM access errors (0x1100)

The following table lists the EEPROM access errors (0x1100):

Error name	Hex	Description	Category
EEPROM_ERROR_NON_ZERO_SERIAL_PARALLAL	0x1100	Could not read the EEPROM.	2
EEPROM_ERROR_HARDWARE_ACCESS_TIMEOUT	0x1101	Could not read the EEPROM.	2

IP manager errors (0x1200)

The following table lists the IP manager errors (0x1200):

Error name	Hex	Description	Category
IPMGR_ERROR_OUT_OF_MEMORY	0x1200	Memory allocation error.	3
IPMGR_ERROR_INVHANDLE	0x1201	Invalid resource handle.	3
IPMGR_ERROR_INVSTATE	0x1202	Invalid state for operation.	3

Error name	Hex	Description	Category
IPMGR_ERROR_INVKEY	0x1203	Lower interface key invalid.	3
IPMGR_ERROR_LEV1DEFINE	0x1204	Level 1 driver define error.	3
IPMGR_ERROR_TXOVERFLOW	0x1205	Transmit overflow.	3
IPMGR_ERROR_DUPLICATE	0x1206	Duplicate resource type registered.	4
IPMGR_ERROR_NOSUCHTYPE	0x1207	Invalid resource type.	3
IPMGR_ERROR_NOROUTE	0x1208	No route available.	4
IPMGR_ERROR_DUPNAME	0x1209	Duplicate resource or CPT name.	3
IPMGR_ERROR_DUPHASHKEY	0x120A	Duplicate hash key.	3
IPMGR_ERROR_ARPERROR	0x120B	ARP lookup problem.	3
IPMGR_ERROR_INVNAME	0x120C	Invalid resource name.	3
IPMGR_ERROR_INVLENGTH	0x120D	Packet size is less than or equal to 0, or greater than or equal to 1518.	1
IPMGR_ERROR_LINKDOWN	0x120E	Ethernet link is down.	5
IPMGR_ERROR_SENDTOMBX	0x120F	Failed to send to another task's mailbox.	4
IPMGR_ERROR_RXTXD_BUF_LIMIT	0x1210	Failed to add to RXTXD buffer chain.	3
IPMGR_ERROR_INVRXTXD	0x1211	Invalid RXTXD pointer passed.	3
IPMGR_ERROR_RXTXD_ADJUST	0x1212	Error in trying to adjust the RXTXD buffer pointer.	3
IPMGR_ERROR_INVMSGTYPE	0x1213	IP manager received an unknown message type.	3

Dialogic® NaturalAccess™ Board and Driver Error Reference

Error name	Hex	Description	Category
IPMGR_IPROUTE_ADDFAIL	0x1214	Unable to add the IP route to the table.	4
IPMGR_ERROR_IPCHKSUM	0x1215	IP header checksum error.	1
IPMGR_ERROR_TTLEXPIRE	0x1216	IP TTL expired.	1
IPMGR_ERROR_CU_TIMEOUT	0x1218	82559 Ethernet command timeout.	3
IPMGR_INVALID_FUNCTION	0x1219	Unsupported function.	1
IPMGR_ERROR_MAX_CONPTS	0x121A	Maximum number of Ethernet connections has been exceeded.	1
IPMGR_ETH1_LINK_FAIL	0x121B	Status message – Ethernet link 1 is down.	5
IPMGR_ETH2_LINK_FAIL	0x121C	Status message – Ethernet link 2 is down.	5
IPMGR_ETH1_LINK_ACTIVE	0x121D	Status message – Ethernet link 1 is up.	-
IPMGR_ETH2_LINK_ACTIVE	0x121E	Status message – Ethernet link 2 is up.	-
IPMGR_ERROR_MBOX_PKT_DROP	0x1220	Mailbox overflow. IP packet dropped.	4
IPMGR_ERROR_NOTFOUND	0x1221	Entry not found.	3
IPMGR_ERROR_INVPARAM	0x1222	ICMP v6 parameter error.	3
IPMGR_ERROR_CHECKSUM_FAIL	0x1223	Bad checksum on received IPv6 ICMP packet.	-
IPMGR_IPV4ARP_INVENTORY	0x1224	Invalid ARP table entry.	3
IPMGR_IPV4ARP_INVEVENT	0x1225	ARP state machine received invalid event.	3

Error name	Hex	Description	Category
IPMGR_ERROR_INVCOMMAND	0x1226	IP Manager received unknown command.	3
IPMGR_ERROR_ETHDRIVER	0x1227	Ethernet driver error.	3
IPMGR_ERROR_OUT_OF_BUFFERS	0x1228	Ethernet static buffer pool exhausted.	3
IPMGR_ERROR_BUFFERPOOL_ERROR	0x1229	Ethernet static buffer pool internal error.	3
IPMGR_ERROR_NDERROR	0x1280	IPv6; Neighbor discovery error.	3
IPMGR_ERROR_INVNEXTHDR	0x1281	IPv6; Invalid next header type.	3
IPMGR_PROTOCOL_VIOLATION	0x1282	IPv6; Protocol error.	3
IPMGR_IPV6DEST_NOTFOUND	0x1283	IPv6; Destination entry for IP address not found.	3
IPMGR_ERROR_INV_IPV6ADDR	0x1284	IPv6; Invalid address.	3
IPMGR_IPV6ND_NOTFOUND	0x1285	IPv6; Neighbor discovery (ND) entry for IP address not found.	3
IPMGR_IPV6ND_INVEVENT	0x1286	IPv6; Invalid neighbor discovery (ND) event.	3
IPMGR_IPV6IF_NOTFOUND	0x1288	IPv6; Interface entry not found in the Interface table.	3
IPMGR_IPV6MC_NOTFOUND	0x1289	IPv6; Multicast address not found in the Interface table.	3
IPMGR_IPV6ND_DUPADDRDET	0x128A	IPv6; Duplicate address detected.	3
IPMGR_IPV6ND_TIMERERR	0x128B	IPv6; Error with neighbor discovery (ND) timer.	3

Error name	Hex	Description	Category
IPMGR_IPV6RTR_TIMERERR	0x128C	IPv6; Error with router timer.	3
IPMGR_SEC_POL_DISCARD	0x12A0	IPSec; Transmit packet dropped; policy states that the packet is to be discarded.	3
IPMGR_SEC_SA_NOT_FOUND	0x12A1	IPSec; No security association (SA) can be found.	3
IPMGR_SEC_PROTO_UNKNOWN	0x12A2	IPSec; Unsupported security protocol.	3
IPMGR_SEC_INVALID_SPI	0x12A4	IPSec; Receive packet with unknown SPI value.	3
IPMGR_SEC_AUTH_FAILED	0x12A5	IPSec; Authentication failed.	3
IPMGR_SEC_INVALID_PARAM	0x12A6	IPSec; Invalid parameter.	3
IPMGR_SEC_POLICY_VIOLATION	0x12A7	IPSec; Policy disallows packet.	3
IPMGR_SEC_SA_INVALID_STATE	0x12A9	IPSec; Security association (SA) not active.	3
IPMGR_SEC_INTERNAL_ERROR	0x12AA	IPSec; Inconsistency.	3
IPMGR_SEC_BAD_BLOCK_ALIGNMENT	0x12AB	IPSec; Block size violation.	3
IPMGR_SEC_DECRYPT_FAILED	0x12AC	IPSec; Invalid ESP plain text.	3

Security manager errors (0x12D0)

The following table lists the security manager errors (0x12D0):

Error name	Hex	Description	Category
SECURITY_MANAGER_UNKNOWN_MESSAGE	0x12D0	Security Manager received an unknown command.	3
SECURITY_MANAGER_BAD_MSG_FORMAT	0x12D1	Security Manager received an invalid message.	3
SECURITY_MANAGER_UNSUPPORTED_PFKEY	0x12D2	Security Manager received an unsupported PF_KEY message.	3
SECURITY_MANAGER_BAD_ADDRESS_FAMILY	0x12D3	Invalid address.	3
SECURITY_MANAGER_BAD_POLICY_TAG	0x12D4	Either a policy tag is not present, or the specified policy does not exist.	3
SECURITY_MANAGER_BAD_LOCAL_ADDRESS	0x12D5	Security association (SA) has either 0 or 2 local addresses.	3
SECURITY_MANAGER_DUPLICATE_SA	0x12D6	Identical security association (SA) found in the database.	3

Error name	Hex	Description	Category
SECURITY_MANAGER_DUPLICATE_POLICY_TAG	0x12D8	Two policies have the same policy tag. A unique policy tag for each policy is required.	3
SECURITY_MANAGER_BAD_DIRECTION	0x12D9	The direction specified must be either in or out.	3
SECURITY_MANAGER_INTERNAL_ERROR	0x12DA	A data structure error occurred.	3
SECURITY_MANAGER_SA_NOT_FOUND	0x12DB	Security association (SA) not recognized.	3
SECURITY_MANAGER_IPSEC_DISABLED	0x12DC	Modify the configuration to enable IPSEC.	3
SECURITY_MANAGER_POLICY_NOT_FOUND	0x12DD	No matching policy was found in security policy database (SPD).	3
SECURITY_MANAGER_BAD_ALG_TYPE	0x12DE	An encryption algorithm error occurred.	3

Error name	Hex	Description	Category
SECURITY_MANAGER_DB_EMPTY	0x12DF	Security association database (SADB) or security policy database (SPD) empty on query.	3

Socket manager errors (0x12F0)

The following table lists the socket manager errors (0x12F0):

Error name	Hex	Description	Category
SOCKET_MANAGER_BAD_MSG_FORMAT	0x12F0	Socket manager received an invalid message.	3

Console manager errors (0x1300)

The following table lists the console manager errors (0x1300):

Error name	Hex	Description	Category
CONSOLE_ERROR_OUT_OF_MEMORY	0x1300	Memory allocation error.	3
CONSOLE_ERROR_INVMSGTYPE	0x1301	Console received an unknown message type.	3
CONSOLE_ERROR_SENDTOMBX	0x1302	Send to mailbox error from RTOS.	3
CONSOLE_ERROR_ADDCMD	0x1303	Add new command failed.	3
CONSOLE_ERROR_BADKEY	0x1304	Connection point key is invalid.	3
CONSOLE_ERROR_CPDSC_BAD	0x1306	Required ConptDesc field not specified.	3

ARP errors (0x1400)

The following table lists the ARP errors (0x1400):

Error name	Hex	Description	Category
ARP_ERROR_OUT_OF_MEMORY	0x1400	Memory allocation error.	3
ARP_ERROR_INVMSGTYPE	0x1401	ARP received an unknown message type.	3
ARP_ERROR_TIMER_FAILURE	0x1402	Error creating or starting timer.	3

IP filter errors (0x1500)

The following table lists the IP filter errors (0x1500):

Error name	Hex	Description	Category
IPFILTER_ERROR_OUT_OF_MEMORY	0x1500	Memory allocation error.	3
IPFILTER_ERROR_INVMSGTYPE	0x1501	IP filter task received an unknown message type.	3
IPFILTER_ERROR_SENDBOX	0x1502	Send to mailbox error from RTOS.	3
IPFILTER_ERROR_INVSTATE	0x1503	Invalid state for the operation.	3
IPFILTER_ERROR_DATAOBJ	0x1504	Problem with cDataObject.	3
IPFILTER_ERROR_INVCONFIG	0x1505	Invalid configuration parameters.	3
IPFILTER_ERROR_DESTROY_LOCK	0x1506	Destroy-filter lock failure.	3
IPFILTER_ERROR_INVLENGTH	0x1507	Invalid data size of less than or equal to 0.	3
IPFILTER_ERROR_INVIPADDR	0x1509	Invalid local IP address.	4
IPFILTER_ERROR_VIDEO_DATA	0x1510	Video data invalid.	3
IPFILTER_ERROR_VIDEO_CONNECTION	0x1511	Video connection invalid.	1

Memory errors (0x1580, 0x1590)

The following table lists the memory errors (0x1580, 0x1590):

Error name	Hex	Description	Category
RTCP_ERROR_OUT_OF_MEMORY	0x1580	Memory allocation error.	3
FRAG_ERROR_OUT_OF_MEMORY	0x1590	Memory allocation error.	3

Filter InitDesc errors (0x1600)

The following table lists the filter InitDesc errors (0x1600):

Error name	Hex	Description	Category
FILTER_INITDESC_ERROR_NO_FUNC_DEF	0x1600	No function definition exists to use for the filter prototype.	3

IP factory errors (0x1700)

The following table lists the IP factory errors (0x1700):

Error name	Hex	Description	Category
IP_FACTORY_ERROR_FILTER_NOT_CREATED	0x1700	IP factory could not create filter.	4

DSP manager errors (0x1800)

The following table lists the DSP manager errors (0x1800):

Error name	Hex	Description	Category
DM_ERROR_ALREADY_INIT	0x1801	DSP manager already initialized.	3
DM_ERROR_OUT_OF_MEMORY	0x1803	Not enough memory.	3
DM_ERROR_INVALID_PARAMETER	0x1804	DSP manager received invalid command.	3
DM_ERROR_NO_FILTER_GROUPS	0x1805	No DSP filter groups have been defined.	3
DM_ERROR_NO_FILTER_GROUP_DEFINED	0x1806	No DSP filter group has been defined.	3

DSP errors (0x1900)

The following table lists the DSP errors (0x1900):

Error name	Hex	Description	Category
DSPERR_OUT_OF_MEMORY	0x1903	No more memory.	3
DSPERR_INVALID_HANDLE	0x1907	Invalid filter handle.	1
DSPERR_INVALID_PIN	0x1910	Invalid pin.	1
DSPERR_CANT_FIND_FUNCTION	0x1915	DSP function not available.	4
DSPERR_INVALID_PIN_TYPE	0x1917	Invalid pin type.	1
DSPERR_FILTER_STATE_ERROR	0x1924	Filter in wrong state (for example, commanded while not running).	1
DSPERR_INVALID_FILTER_CMD	0x1926	Invalid command to the DSP filter.	1
DSPERR_INVALID_FUNCTION_CALLED	0x1933	Signaling DSP error.	3
DSPERR_INVALID_INPUT_PIN_COUNT	0x1934	Too many input pins on a filter.	1
DSPERR_INVALID_OUTPUT_PIN_COUNT	0x1935	Too many output pins on a filter.	1
DSPERR_INVALID_ALGORITHM_TYPE	0x1936	Invalid DSP image.	4
DSPERR_C54X_FATAL_ERROR	0x1953	A DSP has stopped due to an internal software error.	3
DSPERR_C54X_STOPPED_TICKING	0x1954	DSP stopped responding.	3
DSPERR_FILTER_ENGINE_NOT_STARTED	0x1960	Attempted to start a filter on a DSP that is halted.	3
DSPERR_CMD_TOO_LARGE	0x1961	Command to a DSP is too large.	1

Error name	Hex	Description	Category
DSPERR_OUT_OF_PINS	0x1965	No more available pins.	3
DSPERR_UNKNOWN_PIN_TYPE	0x1966	Pin type not recognized.	3
DSPERR_IMAGE_PARSE_FAILED	0x1971	Invalid DSP image.	4
DSPERR_C54X_CMD_QUEUE_OVERFLOW	0x1973	Command queue overflow to DSP.	3
DSPERR_C54X_BAD_CMD_QUEUE_PTR	0x1974	Command queue corrupted in DSP.	3
DSPERR_C54X_DATA_QUEUE_OVERFLOW	0x1976	Data queue overflow to DSP.	3
DSPERR_C54X_BAD_DATA_QUEUE_PTR	0x1977	Data queue corrupted in DSP.	3
DSPERR_COMPACTION_QUEUE_FULL	0x1978	Compaction problem.	3
DSPERR_INVALID_START_PACKET	0x1979	Invalid DSP start command. Failed to start DSP function.	3
DSPERR_INTERNAL_ERROR	0x1980	Internal DSP engine error.	3
DSPERR_ENGINE_ALREADY_STARTED	0x1981	DSP engine already started.	3
DSPERR_INVALID_BOOT_IMAGE	0x1982	Invalid DSP image.	4
DSPERR_C54X_BAD_PIN_ID	0x1986	Invalid pin number.	1
DSPERR_HPI_READ_WRITE_FAILED	0x1987	HPI self-test failed. Hardware may be bad.	2
DSPERR_NO_RESOURCES	0x1988	Not enough DSP resources.	4
DSPERR_DSP_TO_HOST_DATA_OVERFLOW	0x1989	DSP coprocessor data overflow.	3

Error name	Hex	Description	Category
DSPERR_FRAME_SYNC_RECOVERED	0x1990	DSP lost frame synchronization and recovered.	5
DSPERR_PROXY_NOT_RUNNING	0x1991	Proxy filter not running.	1
DSPERR_HPIQ_CMD_SIZE_TOO_BIG	0x1992	The size of the command to send is too big.	1
DSPERR_FRAGMENTER_INVALID_SIZE	0x1993	Fragmenter (play) has a buffer size that is a non-integral number of frames.	1
DSPERR_HOST_TO_DSP_DATA_OVERFLOW	0x1994	Queue overflow to DSP.	3
DSPERR_COMBINER_REQUEST_WRONG_SIZE	0x1996	DynamicRecordBuffers was configured, but the submitted record buffers were not all the same size.	1/4
DSPERR_COMBINER_NOT_RUNNING	0x1997	Combiner (record) is not in the expected state.	3

Signal library errors (0x1A00, 0x1E00)

The following table lists the signal library errors (0x1A00, 0x1E00):

Error name	Hex	Description	Category
SIGLIB_ERROR_NOT_INITIALIZED	0x1A01	Signal library has not been initialized.	3
SIGNAL_LIBRARY_INVALID_PARAMETER	0x1E01	Invalid siglib function call.	3
SIGNAL_LIBRARY_SLOT_ALREADY_UNMAPPED	0x1E05	Redundant attempt to unmap the slot.	3

Error name	Hex	Description	Category
SIGNAL_LIBRARY_CONFIGURATION_ERROR	0x1E06	Configuration error, for example, a non-signaling core configured for signaling.	3

Diagnostic manager errors (0x1C00)

The following table lists the diagnostic manager errors (0x1C00):

Error name	Hex	Description	Category
DIAG_ERROR_OUT_OF_MEMORY	0x1C01	Not enough memory.	3
DIAG_ERROR_INVALID_PARAMETER	0x1C02	Invalid parameter passed to Diagnostic Manager.	1
DIAG_ERROR_INVALID_HW_OBJ	0x1C03	Invalid object specified.	1

Filter group errors (0x1D00)

The following table lists the filter group errors (0x1D00):

Error name	Hex	Description	Category
FILTER_GROUP_NOT_CONFIGURED	0x1D01	C54x filter group missing DSP bridge object.	3
FILTER_GROUP_BAD_CONFIG_DATA	0x1D02	Invalid DSP type passed to DSP bridge object.	3
FILTER_GROUP_ERROR_DEFAULT_UNSET	0x1D03	Get/Set DefaultFilterGroup error	3

PSTN errors (0x2000)

The following table lists the PSTN errors (0x2000):

Error name	Hex	Description	Category
PSTN_ERROR_INVALID_PARAMETER	0x2002	Invalid parameters to PSTN endpoint function.	1

Hardware errors (0x4000)

The following table lists the hardware errors (0x4000):

Error name	Hex	Description	Category
HW_OVER_TEMPERATURE	0x40F2	Board temperature crossed indicated threshold	2/5

Hardware HMIC errors (0x4200)

The following table lists the hardware HMIC errors (0x4200):

Error name	Hex	Description	Category
HW_HMIC_NOT_FOUND	0x4210	Internal error: hardware or EEPROM fault.	3
HW_HMIC_BAD_CONFIG_DATA	0x4211	Internal error: hardware or EEPROM fault.	3

Host media processing errors (0x4700, 0x4800)

The following table lists the host media processing errors (0x4700, 0x4800):

Error name	Hex	Description	Category
HOSTSOCKET_ERROR_OUT_OF_MEMORY	0x4701	Not enough memory.	3
HOSTSOCKET_ERROR_OS_SOCKET_ERROR	0x4702	Operating system socket error.	3
HOSTSOCKET_ERROR_SOCKET_EXISTS	0x4703	Direction already opened.	3
HOSTSOCKET_ERROR_BAD_HANDLE	0x4704	Invalid internal socket handle.	3
HOSTSOCKET_ERROR_CANT_ALLOC_RXTXD	0x4705	Not enough memory.	3

Error name	Hex	Description	Category
HOSTSOCKET_ERROR_NOT_OPENED_FOR_SEND	0x4707	Attempted to send on a receive-only socket.	3
HOSTSOCKET_ERROR_SEND_BUFFER_OVERFLOW	0x4708	Internal buffer is not big enough.	3
HMP_ERROR_FROM_DTMF_LIBRARY	0x4801	DTMF detector error.	3
HMP_ERROR_FROM_TDET_LIBRARY	0x4802	Tone detector error.	3
HMP_ERROR_INVALID_COMMAND	0x4804	Filter received an invalid command.	1
HMP_ERROR_FRAMES_LOST	0x4805	One or more frames were lost due to preemption or overload.	4
HMP_ERROR_INVALID_EVENT	0x4806	Invalid event from detector.	3
HMP_ERROR_DETECTOR_STATE	0x4808	Detector in wrong state.	3
HMP_ERROR_FILTER_STATE	0x4809	Filter in wrong state.	3
HMP_ERROR_PIPE_CLOSED	0x480A	Read failed from Natural Access interface.	3

Error name	Hex	Description	Category
HMP_ERROR_INVALID_HOST_DEMUX	0x480B	Out of range interface number passed to the send function.	3
HMP_ERROR_EVAD_NOT_ACTIVE	0x480C	VAD command to record called before VAD enabled.	1
HMP_ERROR_EVAD_PARAMETER_COUNT	0x480D	Invalid number of parameters in VAD command.	1
HMP_ERROR_EVAD_PARAMETER_VALUE	0x480E	Invalid VAD parameter value.	1
HMP_ERROR_BAD_CONFIG_SIZE	0x480F	Invalid configuration size received from OAM.	3
HMP_ERROR_CMD_QUEUE_OVERFLOW	0x4810	Record function received more than three VAD commands in 10 msec.	1
HMP_ERROR_FUNCTION_NOT_LICENSED	0x4811	Function not enabled with current license.	4
HMP_ERROR_LICENSE_EXPIRED	0x4812	License expired.	4
HMP_ERROR_INTERNAL	0x4813	Internal error.	3

Error name	Hex	Description	Category
HMP_ERROR_LOCK_RETRY_LIMIT_EXCEEDED	0x4814	Unable to obtain lock.	3
HMP_ERROR_LICENSE_LIMIT_EXCEEDED	0x4815	No more licenses for function.	4
HMP_ERROR_INVALID_TIMESLOT	0x4816	Specified time slot is greater than or equal to the number of ports configured or licensed	1/4

Hardware echo canceler errors (0x4900)

The following table lists the hardware echo canceler errors (0x4900):

Error name	Hex	Description	Category
HW_ECHO_NO_BUFF_RCVD	0x4900	No buffer in echo command.	3
HW_ECHO_INVALID_BUFF_RCVD	0x4901	Invalid buffer in echo command.	3
HW_ECHO_NULL_ECHO_DRV_INSTANCE	0x4902	Invalid device ID in echo command.	1/3
HW_ECHO_INVALID_CMD	0x4903	Invalid command sent to echo manager.	2/3
HW_ECHO_ERROR_WRITING_REGISTER	0x4904	Bad write to echo chip register.	2/3
HW_ECHO_UNSUPPORTED_ADDR_TYPE	0x4905	Internal error in echo manager.	3
HW_ECHO_INVALID_ADDR_TYPE	0x4906	Internal error in echo manager.	3
HW_ECHO_OUT_OF_MEMORY_ERROR	0x4907	Out of heap memory.	3/4
HW_ECHO_INVALID_PARAMETER	0x4908	Internal error in echo manager	3

Error name	Hex	Description	Category
HW_ECHO_WALK_ONES_TEST_FAILED	0x4909	Echo chip walking ones diagnostic failed	2/3
HW_ECHO_MEM_TEST_FAILED	0x490A	Echo chip memory diagnostic failed.	2/3
HW_ECHO_INVALID_TIMESLOT	0x490B	Invalid timeslot in echo command	1/3

Locking errors (0x6000)

The following table lists the locking errors (0x6000):

Error name	Hex	Description	Category
RWLOCK_ERROR_WRITEBLOCK_IN_USE	0x6002	Unexpected lock failure.	3
RWLOCK_ERROR_INVALID_STATE	0x6004	Lock object internally inconsistent.	3

RTOS errors

The following table lists the RTOS errors:

Error name	Hex	Description	Category
RTOS_ERROR_OUT_OF_MEMORY	0xFFFFFFFFE	No available board memory.	3
RTOS_ERROR_DATA_ABORT	0xFFFFFFFFD	Fatal board error. Unaligned data access.	3
RTOS_ERROR_INSTRUCTION_ABORT	0xFFFFFFFFC	Fatal board error. Unaligned instruction access.	3
RTOS_ERROR_PURE_VIRTUAL_CALL	0xFFFFFFFF4	C++ pure virtual call detected.	3
RTOS_ERROR_UNDEFINED_INSTRUCTION	0xFFFFFFFF7	Fatal board error. Undefined instruction.	3

Error name	Hex	Description	Category
RTOS_ERROR_TOO_MANY_THREADS	0xFFFFFFFF8	Thread limit exceeded.	3
RTOS_ERROR_MEMORY_ALREADY_FREE	0xFFFFFFFF9	Board memory already freed.	3
RTOS_SHUTTING_DOWN	0x9999	RTOS has detected a fatal error and is shutting down.	3

DMA errors (0x7000)

The following table lists the DMAr errors (0x7000):

Error name	Hex	Description	Category
DMA_TOO_MANY_DESC_ENTRIES	0x7000	DMA descriptor list overflow.	3
DMA_INVALID_CHANNEL_NUMBER	0x7001	DMA channel not used or not valid.	3
DMA_CHANNEL_ERROR	0x7003	DMA channel error occurred.	2/3

Additional warnings and notifications

The following table lists additional warnings and notifications:

Warning/Notification	Description	Category
WARNING!: This board's EEPROM indicates only 16MB of memory.	You are using an early production board with incorrect EEPROM settings. Update the EEPROM settings.	3
WARNING! - Primary Src Trunk Ref in alarm: trunk	A primary clock source taken from a trunk is currently invalid because the trunk is in alarm.	5
WARNING! - Secondary Src Trunk Ref in alarm: trunk	A secondary clock source taken from a trunk is currently invalid because the trunk is in alarm.	5

Warning/Notification	Description	Category
<p>Runtime version in Flash is out of date: date version</p> <p>Please run <i>burnall</i> to update the boards in this chassis.</p>	<p>The flash memory on the board is out of date. Run <i>burnall</i> to update all CG boards in the chassis.</p>	<p>4</p>

5. Index

8	
8000 errors	9
8100 errors	9
8200 errors	30
8400 errors	34
8500 errors	35
8d00 errors	37
9	
9100 errors	38
9900 errors	47
9a00 errors	40
A	
AG clock manager errors	43
AGLC	47
agpierror.log	8
AMX	9
error type 8000	9
error type 8100	9
error type 8200	30
error type 8500	35
error type 9900	47
error type 9a00	43
ARP errors	88
ARP lookup	80
ASCII ID	54
B	
BD_CLOCK_CFG	71
BER	47
board name	54
board number	7, 54
boot time	7, 8, 54
BootDiagnosticLevel	5
buffer pool errors	59
C	
categories of errors	8, 54
causes	9, 55
CCB	9
CG clock manager errors	71
channel number	7
channel-specific system errors	30
clocking errors	8, 47
CLOCKSM	43, 71
CMEM	9
Console manager errors	87
count	7
CPT name	80
CT bus	9
ctdaemon	5
D	
date	54
DB port	9
DB31	9, 30
DDF definition	9
demux	9
Diagnostic manager errors	93
digital line errors	8, 47
DMA errors	99
DPC	67, 71
DSP errors	8, 90
error type 8000	9
error type 8100	9
error type 9900	47
error type 9a00	40
filter engine errors	62
filter manager errors	55
image manager errors	64
DSP manager errors	89
DSP service layer	38
DSPOS	9
DTMF	94

DWORD	5	error types 8100	9
E		error types 9900	47
E1/T1	47	error types 9a00	40
echo canceler	97	hardware HMIC errors.....	94
EEPROM.....	64, 94, 99	HMIC errors.....	8
EEPROM access errors	80	host driver errors	8, 51
error categories	9, 55	host interface	56
error code	7	host media processing errors.....	94
error message format	7, 54	HPI.....	90
error types	8, 54	HPI queue	9
Ethernet.....	80	I	
Executive errors.....	58	Image manager errors.....	64
F		instance number	7
Factory errors.....	59	IP factory errors.....	89
FAX	9	IP filter errors.....	88
FDB.....	9	IP manager errors	80
FF00 errors	51, 53	IRQ	43, 67, 69, 71
filter engine errors	8, 9, 62	ISDN stack	30
filter group errors.....	93	L	
Filter InitDesc errors.....	89	legacy.....	5
Filter manager errors.....	55	Legacy manager errors	60
flash memory	58, 99	LIFO	9
format	7, 54	Linux	53
framer driver errors.....	69	locking errors	98
Framer manager errors.....	67	logfile	8, 54
G		LSCX	40, 47
generic errors	79	M	
generic manager errors.....	55	memory errors.....	89
GTP engine errors	8, 35	monitoring	5
H		mux	9
hardware echo canceler errors	97	MVIP	9, 40, 47, 71
hardware errors	94	N	
hardware HMIC errors.....	94	NETREF.....	40, 47, 71
HDLC manager errors	79	notifications.....	5, 99
hex ID	54	O	
HMIC	9	OAM alert message	54
CG clock manager errors	71	OAM_MSG.....	5
error types 8000	9	OAMEVN_ALERT.....	5

oammon	5, 6, 54	Solaris	51
object code	7	SPD	85
OCB.....	9	SRAM	30, 51
P		stdout.....	5
parameters.....	7	stream number	7
PCI interface.....	57	svcres.c	30
PF_KEY	85	switching errors	64
pin errors.....	61	system errors	8, 9, 30
PMON	69	T	
PSTN errors.....	93	TCP manager errors.....	8, 34, 35
R		TDM	64
Resource manager errors	75	time stamp.....	7, 54
RTOS.....	87, 88, 98	TVB.....	9
runtime errors	8, 54	types.....	8, 54
RXTXD.....	80	U	
S		utility.....	5
SA.....	85	V	
SADB.....	85	VAD.....	94
SCB.....	9	Voice Message service errors	8, 37
Security manager errors	85	W	
signal library errors	92	warnings	8, 99
SIGx.....	69	WORD.....	7
Socket manager errors	87		