

# Bay Networks™

Technical Solutions Center

## Customer Support Bulletin

**Number:** CSB- 9807001

**Released:** 7/1/98

**Subject:** Accelar Gigabit Ethernet Upgrades (GMAC4/GID4)

**Product:** Accelar 1100, 1200, and 1250

### Description:

This Customer Support Bulletin will outline the changes in the Accelar Gigabit Ethernet modules, their operational requirements, and the process for End User Customers to order upgrade boards.

Gigabit Ethernet Modules shipped prior to June 15<sup>th</sup> 1998 are affected by the upgrade. The module numbers are as follows:

Order Number	Description
DJ1404002	XLR1201SX One port 1000Base-SX Gigabit Ethernet interface module
DJ1404003	XLR1202SX Two port 1000Base-SX Gigabit Ethernet interface module
DJ1404005	XLR1201LX One port 1000Base-LX Gigabit Ethernet interface module
DJ1404006	XLR1202LX Two port 1000Base-LX Gigabit Ethernet interface module
DJ1404010	XLR1101SX One port 1000Base-SX Gigabit Ethernet interface module for the XLR1100
DJ1404011	XLR1102SX Two port 1000Base-SX Gigabit Ethernet interface module for the XLR1100
DJ1404013	XLR1101LX One port 1000Base-LX Gigabit Ethernet interface module for the XLR1100
DJ1404014	XLR1102LX Two port 1000Base-LX Gigabit Ethernet interface module for the XLR1100

All Distributors/Resellers can consult the Partner Site on Bay Networks' web site:  
(<http://www.baynetworks.com/Partners/Channel/promos/>) for the Channel Stock Upgrade process.

### Discussion:

Effective (07/15/98), Bay Networks will be shipping updated Accelar Gigabit Ethernet modules. These modules contain upgraded versions of the GMAC and GID ASICs (rev 4). In addition to other enhancements, these ASICs support IEEE 802.1Q VLAN tagging and auto negotiation as specified in the IEEE 802.3z draft version. The new ASICs bring the board up to IEEE 802.3z draft version 5. Any further changes to the draft are not expected to require changes to the Accelar hardware. These ASIC versions require Accelar image version 1.1.1

or higher. (Please note that the upgraded ASICs are only supported by the 1.1.1 or higher software.) When booting, the switch does not check for interoperability issues between the Accelar image and the ASIC revisions. To check the revision of the ASICs or switching modules you can execute the “sys show info” command from the CLI. The sys show info command displays the revision of certain ASICs. Accelar Gigabit Ethernet modules based on the GMAC2 and GID3 ASIC require an upgrade. To check the revision of the Accelar Image, execute the “sys show sw” command. For additional details refer to the “Release Notes for the Accelar 1000 Series Products Software Release 1.1.1”, and the “Release Notes for Accelar 1000 Series Gigabit Ethernet Modules” (June 98) documents that are located on the WEB at:

<http://support.baynetworks.com/library/tpubs/nav/rtswitch/accelar.htm>.

The Silicon Switch Fabric Card and the other types of switching modules do not **have to be upgraded to support the upgraded Gigabit modules**. Gigabit products shipping from mid June 1998 will already have the updated ASICs. The LinkSafe Gigabit Switching Modules and the 1050, 1051 and 1150 base units all ship with the upgraded ASICs – no upgrade is required for these.

**This upgrade offer will be valid through 07/15/99.**

**Resolution:**

Direct Bay customers and Internal Bay customers can contact the Bay Networks Logistics Department to order upgrade boards. If you acquired your product through a distributor, please contact your distributor for implementing the upgrade.

**Required Information:** Please make sure you have the following information available when phoning Customer Service Logistics to order your upgrade boards:

- Product Order Number (DJ14040XX) for each board you want upgraded
- Serial Number (SFLEXXXXXX) on each board you want upgraded
- Verify that the boards have versions of GID and GMAC that are older than version 4 – use the “sys show info” command to do this

For a visual indicator, when the board is held with the connectors facing you, the GIDs are the large chips in the center section of the board. Please note that 1 port boards have (2) GIDs and 2 port boards have (4) GIDs.

GID3 Markings	GID2 Markings	GID4 Markings
Rapid City	Rapid City	Rapid City
10137-003	10137-002	<b>10137-004*</b>

**\* Do not require upgrade; this is the marking for the GID4 chip.**

**Contacting Customer Service Logistics to order Upgrade Boards:**

Once you have the above required information, please contact your local (regional) Logistics Department.

The Regional Logistics Departments are as follows:

U.S., Canada, Central/South America:		1-800-2LANWAN Express Routing Code <b>(ERC) 279</b>
Europe, Middle East, and Africa:		33-4-92-966-968
Japan		03-5402-7041 (Inside Japan) 81-3-5402-7041 (Outside Japan)
Asia PAC	Australia	1-800-064-008
	China	108003579
	Hong Kong	8004199
	Indonesia	001-800-61-004
	Korea	0078-611-2001
	Malaysia	800-5380
	New Zealand	0800-44-09716
	Philippines	1800-611-0063
	Singapore	800-6162-004
	Taiwan	0080-61-1213
	Thailand	001-800-611-3007

Please reference this CSB# (9806XX-XXX) when placing your order. The Customer Service Representative will process your request, issue a Return Authorization Number (RA#) for your existing boards, and advise you of the expected shipment date for your upgrade boards. You will be shipped replacement boards. Upon receipt of the replacement boards, please use the return paperwork enclosed with your upgrade shipment to return the old boards.

The following outlines the Upgrade Order Numbers for the products that you will receive against this upgrade:

Order Number	Description
UGDJ1404002	Upgrade to standards version of XLR1201SX One port 1000Base-SX Gigabit Ethernet interface module
UGDJ1404003	Upgrade to standards version of XLR1202SX Two port 1000Base-SX Gigabit Ethernet interface module
UGDJ1404005	Upgrade to standards version of XLR1201LX One port 1000Base-LX Gigabit Ethernet interface module
UGDJ1404006	Upgrade to standards version of XLR1202LX Two port 1000Base-LX Gigabit Ethernet interface module
UGDJ1404010	Upgrade to standards version of XLR1101SX One port 1000Base-SX Gigabit Ethernet interface module for the XLR1100
UGDJ1404011	Upgrade to standards version of XLR1102SX Two port 1000Base-SX Gigabit Ethernet interface module for the XLR1100
UGDJ1404013	Upgrade to standards version of XLR1101LX One port 1000Base-LX Gigabit Ethernet interface module for the XLR1100
UGDJ1404014	Upgrade to standards version of XLR1102LX Two port 1000Base-LX Gigabit Ethernet interface module for the XLR1100

**Contact Information:**

Technical Support for North and South America	1-800-252-6926
Technical Support for Europe, Middle East and Africa	33-92-966-968
Technical Support for Australia, Asia and the Pacific	61-2-903-5800