

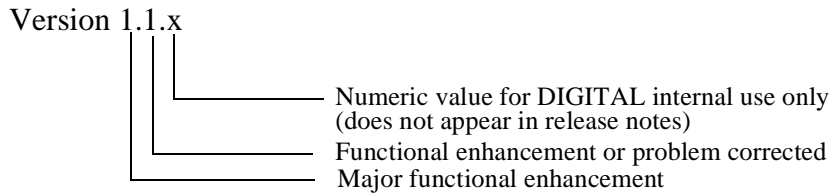


AA-R0KXD-TE

**DIGITAL MultiSwitch Hub 612TX
Version 1.1
Release Notes
May 1998**

As warranted, DIGITAL changes the firmware of this device to make functional enhancements or to correct reported problems. These release notes identify enhancements and changes to the firmware that impact end-user operations. They also contain firmware and software requirements, and list updates in this release as well as known conditions and restrictions that apply to the operation of the DIGITAL MultiSwitch Hub 612TX module.

The following example describes the firmware version number:



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Firmware Requirements

When you are configuring the DIGITAL MultiSwitch Hub 612TX module in a DIGITAL MultiSwitch 600 System containing a Stack Director, ensure that the DIGITAL MultiSwitch 600 firmware is Version 1.1 or higher.

When you are configuring the DIGITAL MultiSwitch Hub 612TX in a DIGITAL MultiSwitch 900, ensure that the DIGITAL MultiSwitch 900 firmware is Version 5.4 or higher.

Software Requirements

If you are using clearVISN software to manage the module, you must install clearVISN software Version 2.1 or higher. Note that clearVISN software Version 2.1 requires DIGITAL MultiSwitch 900 Version 5.4 or DIGITAL MultiSwitch 600 Version 1.1 or higher.

Changes in this Release

100BufFX

Support was **added** for the 100BufFX MMI uplink. The 100BufFX fast ethernet card uses full-duplex 100BaseFX technology to extend the cabling distance to 2 kilometers.

Security

The following security problem was **fixed** for this release:

Prior to this release, the following security problem was seen on any given port when exposed to traffic originating from a single source address.

- If a port has been disabled due to an intrusion protection violation, and the module undergoes a soft reset, the unauthorized station will be allowed to transmit. A soft reset is caused by one of the following:
 - A clearVISN "Reset"
 - A console "Reset to Current Settings"
 - Removal or insertion of an optional MM-100 card
- If a station is currently transmitting into a port, and security is set to disallow this station's address, the current station will still be allowed to transmit.

The only way to recover with intrusion protection enabled and operational is to power-cycle the module.

Known Conditions and Restrictions

The following conditions and restrictions apply to the DIGITAL MultiSwitch Hub 612TX module.

clearVISN

This software section provides information on clearVISN software.

Support for Products

clearVISN software Version 2.1 provides support for the DIGITAL MultiSwitch Hub 612TX products. Refer to the clearVISN documentation and Release Notes for details on the use of clearVISN MultiChassis Manager and clearVISN Stack Manager.

Support for Flash Loader Application

The Flash Loader application may be used to upgrade the firmware in the DIGITAL MultiSwitch Hub 612TX product, if needed.

Recovery Manager Support

The Recovery Manager will be supported with the enhanced clearVISN Version 2.1 release. For clearVISN Version 2.1 enhancements, refer to the clearVISN Version 2.1 Release Notes.

RMON Ports

The following two conditions apply to the RMON Ports window:

- The “RMON Ports” window (which you select from the clearVISN MultiChassis Manager View menu), displays “PortGroup 1 and PortGroup 2” but should only display “PortGroup 1” for the DIGITAL MultiSwitch Hub 612TX product.
- The “RMON Statistics” window (which you select from the clearVISN Multi-Chassis Manager View menu via the “RMON Ports” window), displays totals for “Port 1” instead of totals for the complete group (“PortGroup 1”).

Configuration of Stations Attached to the DIGITAL MultiSwitch Hub 612TX

If the device attached to the DIGITAL MultiSwitch Hub 612TX is not configured with Auto-negotiation or Auto-sense, configure a 100 Mb/s link and select that speed in half-duplex mode.

Accessing Online Information

Network Product Business Web Site

Further information on this network product or topic is available on the DIGITAL Network Product Business (NPB) Web Site. The Web Site maintains a common, rich set of up-to-date information on NPB's products, technologies, and programs.

The Web Site can be reached at geographic locations via the following:

Americas Network Product Business Home Page	http://www.networks.digital.com
Europe Network Product Business Home Page	http://www.networks.europe.digital.com
Asia Pacific Network Product Business Home Page	http://www.networks.digital.com.au
Digital Equipment Corporation Home Page	http://www.digital.com

To get firmware and MIB information, please choose the "Technical Information" link, and from there choose the "Technical Information (Drivers, Manuals, Tech Tips, etc.)" link. You will see a listing of all the products available on the NPB Web Site.

Using Electronic Mail

The Network Information Center (NIC) of SRI International provides automated access to NIC documents and information through electronic mail. This is especially useful for users who do not have access to the NIC from a direct Internet link, such as BITNET, CSNET, or UUCP sites.

You can access MIBs and RFCs using the following:

ftp://ds.internic.net/rfc/

To use the mail service, follow these instructions:

- 1) Send a mail message to **SERVICE@NIC.DDN.MIL**.
- 2) In the SUBJECT field, request the type of service that you want followed by any needed arguments.

Usually, the message body is ignored, but if the SUBJECT field is empty, the first line of the message body is taken as the request.

The following example shows the SUBJECT lines you use to obtain DDN NIC documents:

```
HELP
RFC 822
RFC INDEX
RFC 1119.PS
FYI 1
IETF 1IETF-DESCRIPTION.TXT
INTERNET-DRAFTS 1ID-ABSTRACTS.TXT
NETINFO DOMAIN-TEMPLATE.TXT
SEND RFC: RFC-BY-AUTHOR.TXT
SEND IETF/1WG-SUMMARY.TXT
SEND INTERNET-DRAFTS/DRAFT-IETF-NETDATA-NETDATA-00.TXT
HOST DIIS
```

Requests are processed automatically once a day. Large files are broken into separate messages.

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