

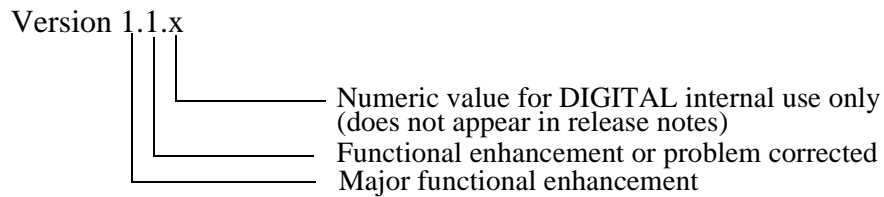


AA-R4AMB-TE

PORTswitch 900TP/12 Release Notes
Firmware Version V1.1
Release Notes
April 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 PORTswitch 900TP/12 module.

The following example describes the firmware version number:



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Firmware Requirements

Digital Equipment Corporation requires that you use DIGITAL MultiSwitch 900 firmware Version 5.2, or higher, to manage the PORTswitch 900TP/12.

Software Requirements

If you are using clearVISN software to manage the PORTswitch 900TP/12, you must install clearVISN software Version 2.1 or higher. Note that clearVISN software Version 2.1 requires DIGITAL MultiSwitch 900 Version 5.2.

Firmware Enhancements

The enhancements in this release are an implementation of two RMON groups: Alarms and Events. These groups are a subset of the RMON management information base (MIB) groups, based on the IEFT standard RFC 1757. You can use the Alarms and Events to monitor MIB objects within the module (see the following table). To create alarm and event table entries, you can use an SNMP application. The module is configured with eight default alarms and events that can be modified or deleted. The following table contains descriptions of the default messages:

This Alarm Message...	Means...
Port autopartitioned or operational	One or more ports has been autopartitioned, or a port that was previously autopartitioned is now operational.
NVRAM full	There is no more memory for nonvolatile parameters.
Health text changes	The module's operational state has changed.
Total ports events	The total number of times a port has become nonoperational, autopartitioned, or unavailable.
Total repeater errors	The total number of errors for this module.
Redundant-link state changes	The module's link state change has occurred while using redundant-link configuration.
Security violation	A security violation has occurred on one or more ports.
Media available or unavailable	One or more media have become available or unavailable.

Known Conditions and Restrictions

The following list describes PORTswitch 900TP/12 conditions and restrictions:

- Port counters show the previous state of the 2-wire or the 6-wire LAN connection when ports are moved from one to the other on the PORTswitch window. For example, if a port has traffic on a 2-wire LAN and is moved to a 6-wire LAN, its 2-wire counters are no longer visible. However, if the port is moved back to the previous 2-wire LAN, its previous counter state is restored. Note that a PORT is always connected to 2-wire or 6-wire LAN even if it is not connected onto a back plane flex channel.
- Ports should ONLY be disabled through the Repeater Summary or the Repeater Port Summary. A port should ONLY be disabled in the following ways:

- Clicking on the Port State icon in the Repeater Summary window.
 - Clicking Disable in the Repeater Port Summary window.
 - Clicking Disable in the Repeater Port Details window.
-

NOTE

DO NOT use the PORTswitch window to disable a port. If you do so, the next time the module is reset, the port will be enabled onto the Group1, which might not be the Group the user had selected before the reset.

If the Repeater Summary window is used to disable all ports, ports will be enabled as they are moved in the PORTswitch window.

- The Management Agent Module (MAM) on the DIGITAL MultiSwitch 900 should be configured to support all the traps. Some of the traps, such as Linkup/linkdown and cold start are only available if the MAM is configured with trap destinations.
- The PORTswitch/TP12 shows incorrect pcomOperStatus when installed in a docking station.
- The Partitions count for every port in a group increments in the Port Summary window when the group it belongs to is mapped to an backplane channel in the hub. This only happens when it is mapped and not when it is unmapped.
- Under extreme broadcast storms, it is possible to lose the IP services capability of the module.

Accessing Online Information

Further information on this network product or topic is available on the DIGITAL Network Product Business (NPB) Web Site as well as its Bulletin Board System. Both systems maintain 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 URLs:

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
Japan Network Product Business Home Page	http://www.dec-j.co.jp/ic/network
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.

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 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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