



DIGITAL GIGAswitch/Ethernet System Installing Power Supplies

Introduction

Each power supply in the DIGITAL GIGAswitch/Ethernet system can power approximately three I/O modules. It takes two power supplies to power a full chassis. Using three power supplies ensures that a full system has fault-tolerant, load-sharing power capabilities. See System Power Requirements on page 3 for more information.

Installation Procedure

All GIGAswitch/Ethernet modules are hot swappable. You do not need to shut down the switch when adding power supplies.

CAUTION

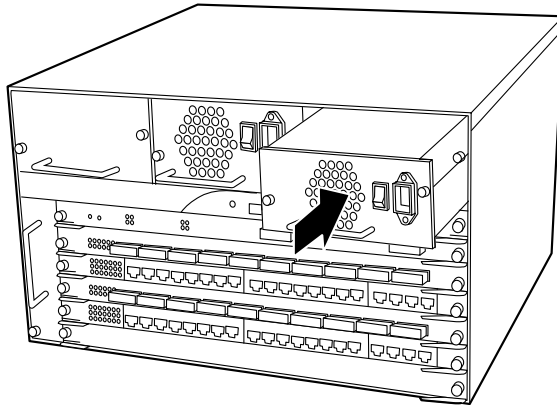
Static electricity can damage modules and electronic components. DIGITAL recommends using a grounded antistatic wrist strap and a grounded work surface when handling any modules.

To install a power supply into the switch chassis, complete the following steps:

Step	Action
1	Carefully remove the power supply from the shipping box, leaving the power supply in its antistatic wrapping.
2	After taking appropriate antistatic precautions, carefully remove the power supply from the antistatic wrap. (Refer to the <i>DIGITAL GIGAswitch/Ethernet Installation and Operation Guide</i> or <i>Quick Start</i> for information about the proper antistatic precautions.)
3	Remove the blank plate from the power supply bay. <u>Note:</u> The power supply can be inserted into any available bay.

Step	Action
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| 4 | Insert the power supply into the system as shown below: |
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| 5 | Make sure that the power supply is seated firmly, with the captive screws tightened. |
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Powering On the Supply

To connect the power supply, complete the following steps. See Power Cords on page 4 for power cord descriptions.

Step	Action
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| 1 | Make sure that the ON/OFF switch on the power supply is OFF. |
| 2 | Plug the power cord into the power supply. |
| 3 | Plug the power cord into an ac outlet. |
| 4 | Set the ON/OFF switch on the power supply to ON. |
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NOTES

For maximum fault tolerance, make sure that the power supplies in the GIGAswitch/Ethernet system are plugged into separate power sources.

Do not wrap power cords through the handles on the system. Dressing the cords this way can interfere with hotswapping options in the system.

Verifying the Installation

To verify the installation, complete the following steps:

Step	Action
1	Launch the web agent. (Refer to the <i>DIGITAL GIGAswitch/Ethernet System Installation and Operation Guide</i> or <i>Quick Start</i> for details on using the web agent.)
2	From the menu on the left side of the web browser, select Power System . The display lists the newly added power supply's status as "Present," and increases the total system power accordingly:

The screenshot shows a web interface titled "Power System". It contains a table with three columns: "Power Supply", "Status", and "Type". The table lists three power supplies, all with a status of "Present" and a type of "A". Below this table are two summary statistics: "Total System Power" at 960 Watts and "Current Power Available" at 845 Watts.

Power Supply	Status	Type
1	Present	A
2	Present	A
3	Present	A

Total System Power	960 Watts
Current Power Available	845 Watts

Contact your DIGITAL service representative if verification fails.

System Power Requirements

The following table lists power use values for components of the GIGAswitch/Ethernet system. Use this information to determine when to add more power supplies.

Component	Power Added/Used
Power supply	+400 W
Backplane elements	-50 W
20-port 10/100 module	-70 W
Switch control processor	-10 W
2-port gigabit module	-35 W
4-port gigabit module	-55 W
10-port 100BASE-FX module	-50 W

Power Cords

The following table lists power cords for use with the GIGAswitch/Ethernet system. Contact your local DIGITAL representative or distributor to order.

Country	Power Cord Description	Order Number
U.S., Canada, Japan, Puerto Rico, Mexico, Korea, Thailand	15 A, 75 in, gray	BNE4H-2E
Argentina, Australia, New Zealand	10 A, 2.5 m, gray	BN19H-2E
Central Europe*, Brazil, Chile	10 A, 2.5 m, gray	BN19C-2E
Hong Kong, Ireland, Singapore, UK	10 A, 2.5 m, gray	BN19A-2E
Switzerland	10 A, 2.5 m, gray	BN19E-2E
Denmark	10 A, 2.5 m, gray	BN19K-2E
Italy	10 A, 2.5 m, gray	BN19N-2E
India, South Africa	10 A, 2.5 m, gray	BN19S-2E
Israel	10 A, 2.5 m, gray	BN19L-2E

*Central Europe includes Austria, Belgium, France, Germany, Finland, Norway, Sweden, and Spain.

For More Information

Refer to the *DIGITAL GIGAswitch/Ethernet System Installation and Operation Guide* for safety, product specification, and regulatory compliance information. The guide is available in online format on the DIGITAL GIGAswitch/Ethernet System Information Library CD. This information is also available on the DIGITAL Network Products Home Page on the World Wide Web at:

North America: <http://www.networks.digital.com>
Europe: <http://www.networks.europe.digital.com>
Asia Pacific: <http://www.networks.digital.com.au>