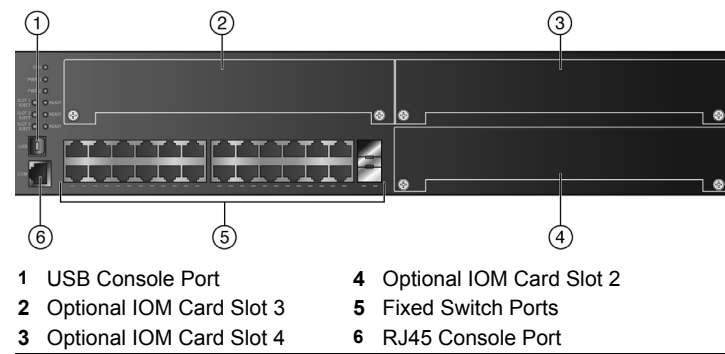


## How to Use This Guide

Use this guide to set up your Enterasys® G-Series switch (pictured below) and optional components. For complete instructions, see the *Enterasys G-Series Hardware Installation Guide*.

**Figure 1 G-Series Ethernet Switch (G3G124-24 Displayed)**



**Electrical Hazard:** Only qualified personnel should perform installation procedures.

## Handling the G3 Switch and Components

**Caution:** The switch can be damaged by electrostatic discharge. Attach an ESD wrist strap before handling the switch or components.

### Unpacking the Switch or Components

Unpack the switch as follows:

1. Remove the packing material protecting the switch.
2. Remove the switch or component from the non-conductive bag.
3. Perform a visual inspection of the switch for any signs of physical damage. Contact Enterasys Networks if there are any signs of damage. See “Getting Help” for more information.

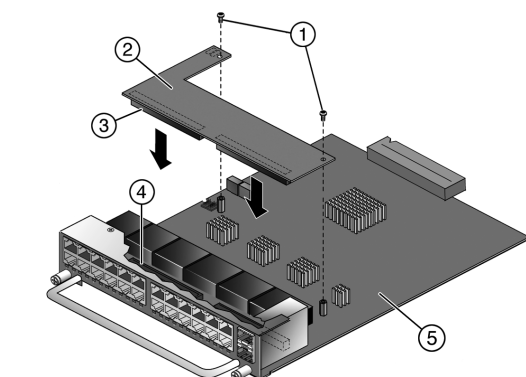
## Installing the Optional PoE Module into an IOM Card

If you have purchased an optional PoE module (G3G-POE), you can install it before installing the G3G-24TX IOM card into the G-Series base system chassis or at any time by first removing the IOM card as described in “Removing an IOM Card”.

To install the PoE module in an IOM card:

1. Gently plug the PoE module into the IOM card by fitting the standoffs into the PoE board mounting holes as shown in Figure 2. There should be a direct vertical translation of standoffs to PoE mounting holes.
2. Using the screws shipped with the PoE module, firmly attach the PoE module to the IOM card.

**Figure 2 Installing a PoE Module in the G3G-24TX**



- 1 Fastening screws
- 2 PoE daughter card module
- 3 IOM card's PoE connector
- 4 PoE Module's IOM card connector
- 5 G3G-24TX IOM card (motherboard)

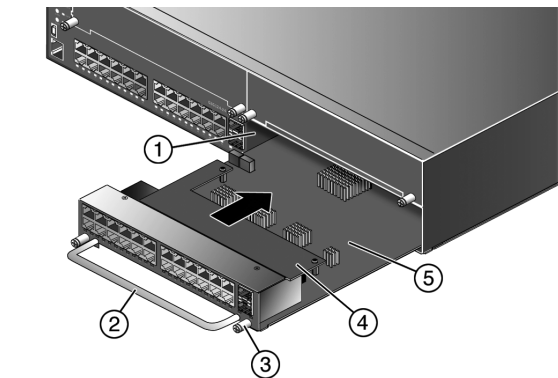
## Installing an IOM Card

**Caution:** If you are installing multiple IOMs into a switch that is running, wait until the previously installed IOM is completely initialized before attempting to install the next IOM. Initialization is complete when the slot's status LED turns solid green.

To install an IOM card:

1. Loosen the captive screws on the coverplate and remove the coverplate from the slot.
2. Insert the IOM card in the guide rail of the slot. Gently slide the card into the slot, as shown in Figure 3, until the IOM card engages the connector on the backplane and the IOM card locks into place and is flush with adjoining coverplates.
3. Tighten the two captive screws.

**Figure 3 Installing the IOM Card (G3G-24TX with optional PoE shown)**



- 1 IOM slot 2
- 2 IOM handle
- 3 Captive screw
- 4 Optional G3G-POE module
- 5 IOM

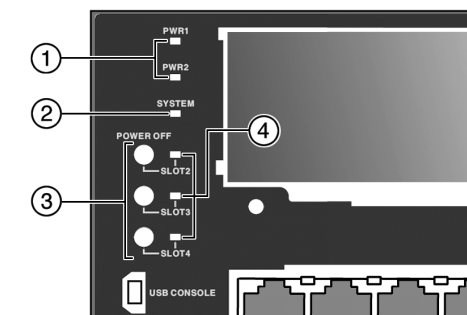
4. If installing additional modules, wait until the slot status LED for the previously installed IOM is solid green before installing additional modules. Save coverplates for optional future use.
5. After completing all module installation, be sure to install coverplate(s) over any unused IOM slot(s) to contain EMI radiation and ensure proper air circulation.

## Removing an IOM Card

**Caution:** Do not attempt to power-down and remove more than one IOM at a time. You must complete the removal procedure outlined in this section before attempting to remove another IOM.

1. Disconnect any cabling from the IOM card.
2. Loosen the IOM card's two captive screws.
3. Press and hold for **5 seconds** the POWER OFF button corresponding to the slot from which you want to remove the IOM card as shown in Figure 4. Slot's status LED flashes green.
4. When the slot's POWER OFF status LED **turns amber**, gently slide the module out of the slot using the IOM handle.

**Figure 4 Chassis LEDs and POWER OFF Buttons**



- 1 Power Supply LEDs
- 2 SYSTEM LED
- 3 IOM POWER OFF buttons (Slot 2, 3, 4)
- 4 IOM POWER OFF status LEDs (Slot 2, 3, 4)

**Caution:** Use caution when removing an IOM on which you have an optional PoE module installed to avoid damaging the PoE module.

Replace the slot's coverplate to contain EMI radiation and ensure proper air circulation.

## Installing a Power Supply

These power supplies can be installed in the G-Series switch:

- G3-PWR, a 400-watt AC power supply (requires 15A circuit)
- G3-PWR-625W, a 625-watt AC power supply (requires 15A circuit)
- G3-PWR-POE, a 1200-watt AC power supply (requires 20A circuit)

To install a single power supply in the G-Series switch:

**Note:** The following procedure is for installing a single power supply. For instructions on installing a second power supply, power supply planning considerations, and advanced power configurations, see the *G-Series Hardware Installation Guide*.

1. Holding the power supply by its handle, position it with the status LEDs to the left and align it with the slot opening.
2. Carefully slide the power supply until it connects to the backplane. If significant resistance is encountered before the power supply is seated, remove and reinsert it. Do not force the power supply into place.
3. Secure the power supply to the chassis by tightening the captive screws.
4. If you are finished installing IOM cards and are ready to connect to a power source, plug the power cord into the power supply AC inlet, then into a grounded outlet.

## Completing the Setup, Downloading the Latest Firmware

Once you have connected power to the G3 switch and verified LED activity, you can complete the setup process. For more information, see the *Enterasys G-Series Hardware Installation Guide*.

1. Determine the latest G3 firmware version at: <http://secure.enterasys.com/services/support/downloads/software>
2. Connect the switch to the network.
3. Connect a management station to the console port.
4. Verify that the network devices connected to the switch ports are powered on, and that each link/activity LED is on (solid green or blinking green).
5. At the device connected to the console port:
  - a. Enter **admin** for Username.
  - b. At the Password prompt, press **ENTER** (RETURN).
  - c. At the command prompt, determine if the latest firmware image is loaded on the switch by entering this command:  
**show version**
  - d. If the output (under **FW Version**) displays an older version number than that determined in Step 1, download and activate the new version as directed on the download website or use the CLI commands listed in Table 1.)

## Basic Setup Commands

Table 1 lists CLI commands that are required for setting up the G3 switch with the latest firmware. Table 2 lists additional configuration commands for your G3 switch. For the complete list of CLI commands, see the *Enterasys G-Series CLI Reference*.

**Table 1 Required CLI Setup Commands**

Step	Task	CLI commands
1	Set a new password	<code>set password [username]</code>
2	Set the switch IP address	<code>set ip address ip-address [mask ip-mask] [gateway ip-gateway]</code>
3	Download, activate, and verify new firmware on the switch using TFTP copy.	<code>copy tftp://tftp_srv_ip_addr/ filename system:image</code> <code>set boot system filename</code> <code>show version</code>

**Table 2 Optional CLI Setup Commands**

Task	CLI commands
Save the active configuration	<code>save config</code>
Enable or disable SSH	<code>set ssh enable   disable</code>
Enable or disable Telnet	<code>set telnet {enable   disable} [inbound   outbound   all]</code>
Enable or disable HTTP management (WebView)	<code>set webview {enable   disable}</code>
Enable or disable SNMP port link traps	<code>set port trap port-string {enable   disable}</code>
Set the per port broadcast limit	<code>set port broadcast port-string threshold-value</code>
Configure a VLAN	<code>set vlan create vlan-id</code> <code>set port vlan port-string vlan-id modify-egress</code>
Set a Syslog server IP and severity	<code>set logging server index ip-addr ip-addr severity severity state enable</code>
Configure and enable a RADIUS server.	<code>set radius server index ip-addr port [secret-value]{realm {management-access   any   network-access}}</code> <code>set radius enable</code>

## Specifications

For a complete list of specifications, see the *Enterasys G-Series Hardware Installation Guide*.

## Interfaces

**Note:** The 10BASE-T/100BASE-TX/1000BASE-T ports on the G3G124-24P support 802.3af PoE connections out-of-box. The 10BASE-T/100BASE-TX/1000BASE-T ports on the G3G124-24 and G3G-24TX IOM card can support 802.3af PoE connections by installing the optional G3G-POE module.

<b>G3G124-24</b>	<ul style="list-style-type: none"> <li>• 24 10BASE-T/100BASE-TX/1000BASE-T ports</li> <li>• Two combo 1000BASE-SX, 1000BASE-LX, 100BASE-FX, or 1000BASE-TX SFP ports</li> </ul>
<b>G3G124-24P</b>	<ul style="list-style-type: none"> <li>• 24 10BASE-T/100BASE-TX/1000BASE-T 802.3af PoE ports</li> <li>• Two combo 1000BASE-SX, 1000BASE-LX, 100BASE-FX, or 1000BASE-TX SFP ports</li> </ul>
<b>G3G170-24</b>	<ul style="list-style-type: none"> <li>• 24 1000BASE-SX, 1000BASE-LX, 100BASE-FX, or 1000BASE-TX SFP ports</li> </ul>
<b>G3G-24TX</b>	<ul style="list-style-type: none"> <li>• 24 10BASE-T/100BASE-TX/1000BASE-T ports</li> <li>• Two combo 1000BASE-SX, 1000BASE-LX, 100BASE-FX, or 1000BASE-TX SFP ports</li> </ul>
<b>G3G-POE</b>	<ul style="list-style-type: none"> <li>• Add-on PoE module for G3G124-24 switch and G3G-24TX IOM</li> </ul>
<b>G3G-24SFP</b>	<ul style="list-style-type: none"> <li>• 24 1000BASE-SX, 1000BASE-LX, 100BASE-FX, 1000BASE-TX SFP ports</li> </ul>
<b>G3K-2XFP</b>	<ul style="list-style-type: none"> <li>• Two 10-Gigabit Small Form Factor Pluggable (XFP) interfaces</li> </ul>
<b>G3K-4XFP</b>	<ul style="list-style-type: none"> <li>• Four 10-Gigabit Small Form Factor Pluggable (XFP) interfaces</li> </ul>

## Switch Dimensions

Size: 8.8 H x 44.1 W x 48.1 D (cm)

## Power Supply Input Voltage

G3-PWR: 100 – 240VAC/6A

G3-PWR-625W: 100 - 240Vac / 9A

G3-PWR-POE: 100 – 125VAC/12A to 200 – 240VAC/7A

## Temperature and Humidity

Operating: 0°C to 50°C

Storage: -40°C to +70°C

Operating relative humidity: 5% to 95% (non-condensing)

## Getting Help

<b>World Wide Web</b>	<a href="http://www.enterasys.com/services/support/">www.enterasys.com/services/support/</a>
<b>Phone</b>	1-800-872-8440 (toll-free in U.S. and Canada) or 1-978-684-1000 To find the Enterasys Networks Support toll-free number in your country: <a href="http://www.enterasys.com/services/support/contact/">www.enterasys.com/services/support/contact/</a>
<b>Internet mail</b>	<a href="mailto:support@enterasys.com">support@enterasys.com</a> To expedite your message, type <b>[Switching]</b> in the subject field of your message.
<b>Latest image and release notes</b>	<a href="http://www.enterasys.com/services/support/downloads/software">www.enterasys.com/services/support/downloads/software</a>

## Related Documents

The latest documentation is located online at [www.enterasys.com/support/manuals](http://www.enterasys.com/support/manuals).

## Notice

Enterasys Networks reserves the right to make changes in specifications and other information contained in this document and its web site without prior notice. The reader should in all cases consult Enterasys Networks to determine whether any such changes have been made.

The hardware, firmware, or software described in this document is subject to change without notice.

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All other product names mentioned in this manual may be trademarks or registered trademarks of their respective companies.

## Regulatory Compliance Information

### Federal Communications Commission (FCC) Notice

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment uses, generates, and can radiate radio frequency energy and if not installed in accordance with the operator's manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the user will be required to correct the interference at his own expense.

**WARNING:** Changes or modifications made to this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Industry Canada Notice

This digital apparatus does not exceed the class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

### Class A ITE Notice

**WARNING:** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### Clase A. Aviso de ITE

**ADVERTENCIA:** Este es un producto de Clase A. En un ambiente doméstico este producto puede causar interferencia de radio en cuyo caso puede ser requerido tomar medidas adecuadas.

### Klasse A ITE Anmerkung

**WARNHINWEIS:** Dieses Produkt zählt zur Klasse A (Industriebereich). In Wohnbereichen kann es hierdurch zu Funkstörungen kommen, daher sollten angemessene Vorkehrungen zum Schutz getroffen werden.

### VCCI Notice

This is a class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

## BSMI EMC Statement — Taiwan

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

警告使用者：

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

## AS/NZS CISPR 22



## Hazardous Substances

This product complies with the requirements of European Directive, 2002/95/EC, Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment.

## European Waste Electrical and Electronic Equipment (WEEE) Notice



In accordance with Directive 2002/96/EC of the European Parliament on waste electrical and electronic equipment (WEEE):

- The symbol above indicates that separate collection of electrical and electronic equipment is required and that this product was placed on the European market after August 13, 2005, the date of enforcement for Directive 2002/96/EC.
- When this product has reached the end of its serviceable life, it cannot be disposed of as unsorted municipal waste. It must be collected and treated separately.
- It has been determined by the European Parliament that there are potential negative effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment.
- It is the users' responsibility to utilize the available collection system to ensure WEEE is properly treated.

For information about the available collection system, please go to

[www.enterasys.com/services/support/](http://www.enterasys.com/services/support/) or contact Enterasys Customer Support at 353 61 705586 (Ireland).

## 产品说明书附件 Supplement to Product Instructions

部件名称 (Parts)	有毒有害物质或元素 (Hazardous Substance)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr <sup>6+</sup> )	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
金属部件 (Metal Parts)	×	○	○	○	○	○
电路模块 (Circuit Modules)	×	○	○	○	○	○
电缆及电缆组件 (Cables & Cable Assemblies)	×	○	○	○	○	○
塑料和聚合物部件 (Plastic and Polymeric parts)	○	○	○	○	○	○
电路开关 (Circuit Breakers)	○	○	○	○	○	○

○：表示该有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。  
Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T 11363-2006 standard.

×：表示该有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求。  
Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T 11363-2006 standard.

对销售之目的所售产品，本表显示，  
凯创供应链的电子产品信息产品可能包含这些物质。注意：在所售产品中可能会也可能不会含有所有列出的部件。  
This table shows where these substances may be found in the supply chain of Enterasys' electronic information products, as of the date of sale of the enclosed product. Note that some of the component types listed above may or may not be a part of the enclosed product.

除非另外特别的标注，此标志为针对所涉及产品的环保使用期标志。某些零部件会有一个不同的环保使用期（例如，电池单元模块）贴在其产品上。  
此环保使用期限只适用于产品是在产品手册中所规定的条件下工作。  
The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked. Certain parts may have a different EFUP (for example, battery modules) and so are marked to reflect such. The Environmentally Friendly Use Period is valid only when the product is operated under the conditions defined in the product manual.



## Safety Information Class 1 Laser Transceivers

The single mode interface modules use Class 1 laser transceivers. Read the following safety information before installing or operating these modules.

The Class 1 laser transceivers use an optical feedback loop to maintain Class 1 operation limits. This control loop eliminates the need for maintenance checks or adjustments. The output is factory set, and does not allow any user adjustment. Class 1 Laser transceivers comply with the following safety standards:

- 21 CFR 1040.10 and 1040.11 U.S. Department of Health and Human Services (FDA).
- IEC Publication 825 (International Electrotechnical Commission).
- CENELEC EN 60825 (European Committee for Electrotechnical Standardization).

When operating within their performance limitations, laser transceiver output meets the Class 1 accessible emission limit of all three standards. Class 1 levels of laser radiation are not considered hazardous.

When the connector is in place, all laser radiation remains within the fiber. The maximum amount of radiant power exiting the fiber (under normal conditions) is -12.6 dBm or 55 x 10<sup>-6</sup> watts.

Removing the optical connector from the transceiver allows laser radiation to emit directly from the optical port. The maximum radiance from the optical port (under worst case conditions) is 0.8 W cm<sup>-2</sup> or 8 x 10<sup>3</sup> W m<sup>-2</sup> sr<sup>-1</sup>.

**Do not use optical instruments to view the laser output. The use of optical instruments to view laser output increases eye hazard. When viewing the output optical port, power must be removed from the network adapter.**

## Safety Compliance

**Warning: Fiber Optic Port Safety**



When using a fiber optic media expansion module, never look at the transmit laser while it is powered on. Also, never look directly at the fiber TX port and fiber cable ends when they are powered on.

**Avertissement: Ports pour fibres optiques - sécurité sur le plan optique**



Ne regardez jamais le laser tant qu'il est sous tension. Ne regardez jamais directement le port TX (Transmission) à fibres optiques et les embouts de câbles à fibres optiques tant qu'ils sont sous tension.

**Warnhinweis: Faseroptikanschlüsse - Optische Sicherheit**



Niemals ein Übertragungslaser betrachten, während dieses eingeschaltet ist. Niemals direkt auf den Faser-TX-Anschluss und auf die Faserkabelenden schauen, während diese eingeschaltet sind.

## Declaration of Conformity

Application of Council Directive(s): 2004/108/EC  
2006/95/EC

Manufacturer's Name: Enterasys Networks, Inc.  
Manufacturer's Address: 50 Minuteman Road  
Andover, MA 01810  
USA

European Representative Name: Enterasys Networks Limited

European Representative Address: Nexus House, Newbury Business Park  
London Road, Newbury  
Berkshire RG14 2PZ, England

Conformance to Directive(s)/Product Standards:  
EC Directive 2004/108/EC  
EN55022:2006  
EN 55024:1998  
A1:2001  
A2:2003  
EN 61000-3-2:2006  
EN 61000-3-3:1995  
A1:2001  
A2:2005

EC Directive 2006/95/EC  
EN 60950-1:2006  
A11:2009  
A1:2010  
EN 60825-1:2007  
EN 60825-2:2004  
A1:2007

Equipment Type/Environment: Information Technology Equipment, for use in a Commercial or Light Industrial Environment.

Enterasys Networks, Inc. declares that the equipment packaged with this notice conforms to the above directives.

