

Management Module for XGS3-42000R

XGS3-M24GX / M44G

Standard Ethernet Module for XGS3-42000R

XGS3-S24G / S48G / S48GF / S4XG

Quick Installation Guide

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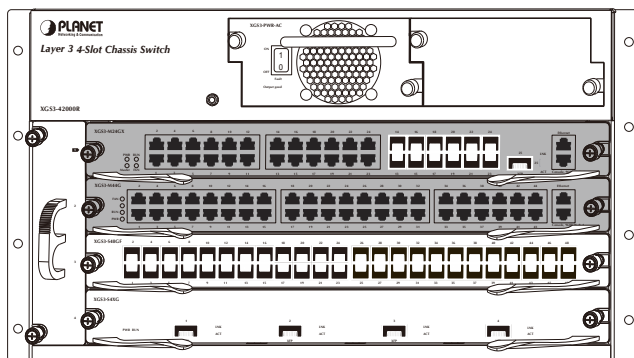
1. Introduction

The PLANET XGS3-42000R is 4-Slot Layer 3 IPv6/IPv4 Routing Chassis Switch, the XGS3-42000R supports various types of Ethernet module, and can seamlessly support network interfaces from 100Mbps, 1000Mbps to 10Gbps Ethernet. The Ethernet module should contain the following model name:

Model Name	Product Description
XGS3-M24GX	XGS3-42000R Management Module with 24-Port 10/100/1000Mbps(12-Port Combo) + 1-Port 10G XFP
XGS3-M44G	XGS3-42000R Management Module with 44-Port 10/100/1000Mbps
XGS3-S24G	XGS3-42000R Standard Ethernet Module with 24-Port 10/100/1000Mbps (12-Port Combo)
XGS3-S48G	XGS3-42000R Standard Ethernet Module with 48-Port 10/100/1000Mbps
XGS3-S48GF	XGS3-42000R Standard Ethernet Module with 48-Port Gigabit SFP interfaces
XGS3-S4XG	XGS3-42000R Standard Ethernet Module with 4-Port 10G XFP interfaces

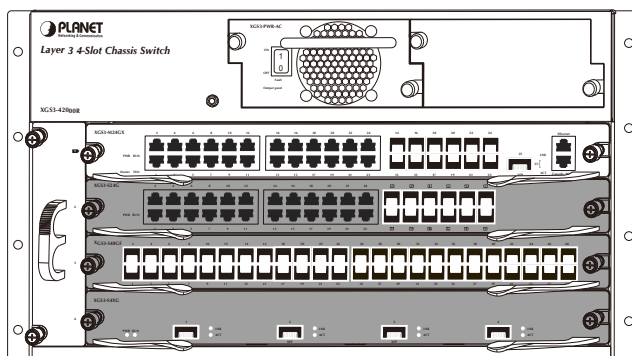
2. Product Specification

XGS3-42000R Management Module		
Model Name		
Product	XGS3-M24GX	XGS3-M44G
Hardware Specification		
Copper Ports	24 x RJ-45 ports	44 x RJ-45 ports
SFP/mini-GBIC Slots	12 x SFP slots	--
XFP Slots	1 x XFP slot	--
Switch Fabric	68Gbps	88Gbps
Throughput	50Mpps@64Bytes	65Mpps@64Bytes
LED	<ul style="list-style-type: none"> System: PWR, RUN, Master, FAN Ports: 10/100/1000M LNK/ACT 1000M LNK/ACT 10G LNK/ACT 	<ul style="list-style-type: none"> System: PWR, RUN, Master, FAN Ports: 10/100/1000M LNK/ACT
Dimension	339 x 357 x 43mm (W x D x H)	
Standards Compliance	<ul style="list-style-type: none"> IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000Base-T IEEE 802.3ae 10G Ethernet 	<ul style="list-style-type: none"> IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab Gigabit 1000Base-T
XGS3-42000R Allowed Module Slots	Slot 1 & 2	



XGS3-42000R Standard Ethernet Module

Model Name				
Product	XGS3-S24G	XGS3-S48G	XGS3-S48GF	XGS3-S4XG
Hardware Specification				
Copper Ports	24 x RJ-45 ports	48 x RJ-45 ports	--	--
SFP/mini-GBIC Slots	12 x SFP slots	--	48 x SFP slots	--
XFP Slots	--	--	--	4 x XFP slots
Switch Fabric	68Gbps	96Gbps	96Gbps	40Gbps
Throughput	50Mpps@64Bytes	71Mpps@64Bytes	71Mpps@64Bytes	59Mpps@64Bytes
LED	<ul style="list-style-type: none"> System: PWR, RUN Ports: 10/100/1000M LNK/ACT 1000M LNK/ACT 	<ul style="list-style-type: none"> Ports: 10/100/1000M LNK/ACT 	<ul style="list-style-type: none"> Ports: 1000M LNK/ACT 	<ul style="list-style-type: none"> System: PWR, RUN Ports: 10G LNK/ACT
Dimension	339 x 357 x 43mm (W x D x H)			
Standards Compliance	<ul style="list-style-type: none"> IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T 	<ul style="list-style-type: none"> IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab Gigabit 1000T 	<ul style="list-style-type: none"> IEEE 802.3z Gigabit SX/LX 	<ul style="list-style-type: none"> IEEE 802.3ae 10G Ethernet
XGS3-42000R Allowed Module Slots	Slot 2-4			



3. Management Module Description

3.1 XGS3-M24GX

The unit front panel provides a simple interface monitoring the Management Module. Figure 3-1 show the front panel of the Management Module.

XGS3-M24GX Front Panel

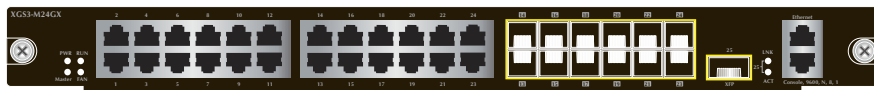


Figure 3-1 XGS3-M24GX front panel

■ Gigabit TP interface

10/100/1000Base-T Copper, RJ-45 Twist-Pair: Up to 100 meters.

■ Gigabit SFP slots

1000Base-SX/LX mini-GBIC slot, SFP (Small Factor Pluggable) transceiver module: From 550 meters (Multi-mode fiber), up to 10/30/50/70/120 kilometers (Single-mode fiber).

■ 10 Gigabit XFP slot

10GBase-SR/LR mini-GBIC slot, XFP (10 Gigabit Small Form Factor Pluggable) transceiver module: From 300 meters (Multi-mode fiber), up to 10 kilometers (Single-mode fiber).

■ Console Port

The console port is a RJ-45 type, RS-232 male serial port connector. It is an interface for connecting a terminal directly. Through the console port, it provides rich diagnostic information includes IP Address setting, factory reset, port management, link status and system setting. Users can use the attached RS-232 cable in the package and connect to the console port on the device. After the connection, users can run any terminal emulation program (Hyper Terminal, ProComm Plus, TeliX, Winterm and so on) to enter the status screen of the device.

Property	Specification
Connector	RJ-45 (receptacle)
Connector type	RS-232
Baud rate	9600bps (default)
Supporting service	Connects to character terminals Connects to PC serial port and running terminal emulator on PC.

The front panel LEDs indicates instant status of port links, data activity, system operation, system power, master and system FAN, helps monitor and troubleshoot when needed. Figure 3-2 show the front panel of the Management Module.

XGS3-M24GX LED indication

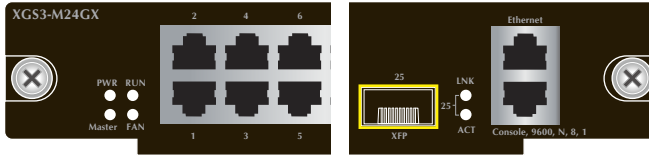


Figure 3-2 XGS3-M24GX LED panel

■ System

LED	Color	Function
PWR	Green	Lights to indicate that Management Module has power.
	Off	To indicate the Management Module power off.
RUN	Green	Blink slowly to indicate that Management Module running in normal status. Blink fast to indicate that system loading (Management Module booting after hot plug in).
	Off	Running Status is failure.
Master	Green	Management Module operate at master mode.
	Off	Management Module operate at slave mode.
FAN	Green	FAN works normally.
	Red	FAN works abnormally.
	Off	FAN does not present.

■ 10/100/1000Base-T interfaces

LED	Color	Function
LNK/ ACT	Green	To indicate the link through that port is successfully established with speed 10/100/1000Mbps .
	Yellow	To indicate that the Management Module is actively sending or receiving data over that port.
	Off	No data go through the port.

■ SFP interfaces

LED	Color	Function
LNK	Green	To indicate the link through that port is successfully established with speed 1000Mbps .
	Off	No data go through the port.
ACT	Green	Blink to indicate that the Management Module is actively sending or receiving data over that port.

■ XFP interface

LED	Color	Function
LNK	Green	To indicate the link through that port is successfully established with speed 10Gbps .
	Off	No data go through the port.
ACT	Green	Blink to indicate that the Management Module is actively sending or receiving data over that port.

3.2 XGS3-M44G

The unit front panel provides a simple interface monitoring the Management Module. Figure 3-3 show the front panel of the Management Module.

XGS3-M44G Front Panel

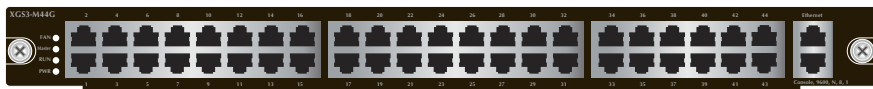


Figure 3-3 XGS3-M44G front panel

■ Gigabit TP interface

10/100/1000Base-T Copper, RJ-45 Twist-Pair: Up to 100 meters.

■ Console Port

The console port is a RJ-45 type, RS-232 male serial port connector. It is an interface for connecting a terminal directly. Through the console port, it provides rich diagnostic information includes IP Address setting, factory reset, port management, link status and system setting. Users can use the attached RS-232 cable in the package and connect to the console port on the device. After the connection, users can run any terminal emulation program (Hyper Terminal, ProComm Plus, Telix, Winterm and so on) to enter the status screen of the device.

Property	Specification
Connector	RJ-45 (receptacle)
Connector type	RS-232
Baud rate	9600bps (default)
Supporting service	<ul style="list-style-type: none"> • Connects to character terminals • Connects to PC serial port and running terminal emulator on PC.

The front panel LEDs indicates instant status of port links, data activity, system operation, system power, master and system FAN, helps monitor and troubleshoot when needed. Figure 3-4 show the front panel of the Management Module.

XGS3-M44G LED indication

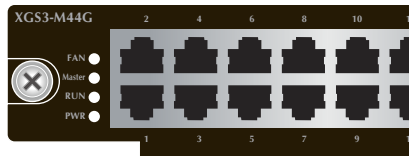


Figure 3-4 XGS3-M44GX LED panel

■ System

LED	Color	Function
PWR	Green	Lights to indicate that Management Module has power.
	Off	To indicate the Management Module power off.
RUN	Green	Blink slowly to indicate that Management Module running in normal status.
	Off	Blink fast to indicate that system loading (Management Module booting after hot plug in). Running Status is failure.
Master	Green	Management Module operate at master mode.
	Off	Management Module operate at slave mode.
FAN	Green	FAN works normally.
	Red	FAN works abnormally.
	Off	FAN does not present.

■ **10/100/1000Base-T interfaces**

LED	Color	Function
LNK/ ACT	Green	To indicate the link through that port is successfully established with speed 10/100/1000Mbps.
	Yellow	To indicate that the Management Module is actively sending or receiving data over that port.
	Off	No data go through the port.

4. Standard Ethernet Module Description

4.1 XGS3-S24G

The unit front panel provides a simple interface monitoring the Standard Module. Figure 4-1 show the front panel of the Standard Ethernet Module.

XGS3-S24G Front Panel

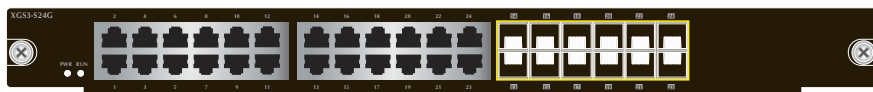


Figure 4-1 XGS3-S24G front panel

■ Gigabit TP interface

10/100/1000Base-T Copper, RJ-45 Twist-Pair: Up to 100 meters.

■ Gigabit SFP slots

1000Base-SX/LX mini-GBIC slot, SFP (Small Factor Pluggable) transceiver module: From 550 meters (Multi-mode fiber), up to 10/30/50/70/120 kilometers (Single-mode fiber).

The front panel LEDs indicates instant status of port links, data activity, system operation and system power, helps monitor and troubleshoot when needed. Figure 4-2 show the front panel of the Standard Ethernet Module.

XGS3-S24G LED indication

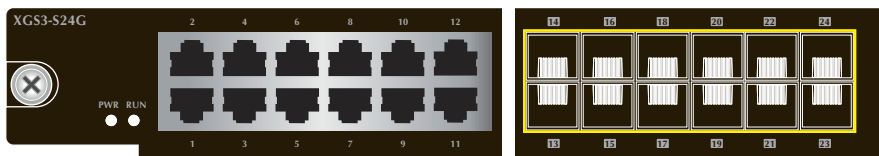


Figure 4-2 XGS3-S24G LED panel

■ System

LED	Color	Function
PWR	Green	Lights to indicate that Standard Ethernet Module has power.
	Off	To indicate the Standard Ethernet Module power off.
RUN	Green	Blink slowly to indicate that Standard Ethernet Module running in normal status. Blink fast to indicate that system loading (Standard Module booting after hot plug in).
	Yellow	Lights to indicate that Standard Ethernet Module shut down.
	Red	Lights to indicate that Standard Ethernet Module is failure.
	Off	Standard Ethernet Module is off and can be pulled out.

■ 10/100/1000Base-T interfaces

LED	Color	Function
LNK/ ACT	Green	To indicate the link through that port is successfully established with speed 10/100/1000Mbps .
	Yellow	To indicate that the Standard Ethernet Module is actively sending or receiving data over that port.
	Off	No data go through the port.

■ SFP interfaces

LED	Color	Function
LNK	Green	To indicate the link through that port is successfully established with speed 1000Mbps .
	Off	No data go through the port.
ACT	Green	Blink to indicate that the Standard Ethernet Module is actively sending or receiving data over that port.

4.2 XGS3-S48G

The unit front panel provides a simple interface monitoring the Standard Ethernet Module. Figure 4-3 show the front panel of the Standard Ethernet Module.

XGS3-S48G Front Panel

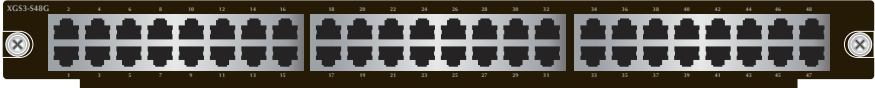


Figure 4-3 XGS3-S48G front panel

■ Gigabit TP interface

10/100/1000Base-T Copper, RJ-45 Twist-Pair: Up to 100 meters.

The front panel LEDs indicates instant status of port links and data activity, helps monitor and troubleshoot when needed. Figure 4-4 show the front panel of the Standard Ethernet Module.

XGS3-S48G LED indication

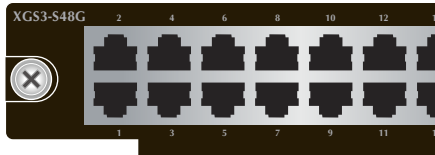


Figure 4-4 XGS3-S48G LED panel

■ 10/100/1000Base-T interfaces

LED	Color	Function
LNK/ ACT	Green	To indicate the link through that port is successfully established with speed 10/100/1000Mbps .
	Yellow	To indicate that the Standard Ethernet Module is actively sending or receiving data over that port.
	Off	No data go through the port.

4.3 XGS3-S48GF

The unit front panel provides a simple interface monitoring the Standard Ethernet Module. Figure 4-5 show the front panel of the Standard Ethernet Module.

XGS3-S48GF Front Panel



Figure 4-5 XGS3-S48GF front panel

■ Gigabit SFP slots

1000Base-SX/LX mini-GBIC slot, SFP (Small Factor Pluggable) transceiver module: From 550 meters (Multi-mode fiber), up to 10/30/50/70/120 kilometers (Single-mode fiber).

The front panel LEDs indicates instant status of port links and data activity, helps monitor and troubleshoot when needed. Figure 4-6 show the front panel of the Standard Ethernet Module.

XGS3-S48GF LED indication

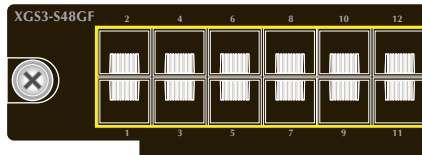


Figure 4-6 XGS3-S48GF LED panel

■ SFP interfaces

LED	Color	Function
LNK	Green	To indicate the link through that port is successfully established with speed 1000Mbps.
	Off	No data go through the port.
ACT	Green	Blink to indicate that the Standard Ethernet Module is actively sending or receiving data over that port.

4.4 XGS3-S4XG

The unit front panel provides a simple interface monitoring the Standard Ethernet Module. Figure 4-7 show the front panel of the Standard EthernetModule.

XGS3-S4XG Front Panel

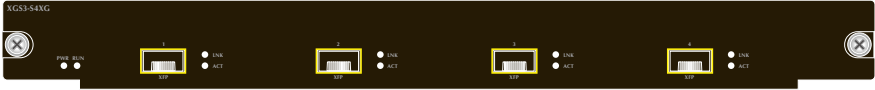


Figure 4-7 XGS3-S4XG front panel

■ 10 Gigabit XFP slots

10GBase-SR/LR mini-GBIC slot, XFP (10 Gigabit Small Form Factor Pluggable) transceiver module: From 300 meters (Multi-mode fiber), up to 10 kilometers (Single-mode fiber).

The front panel LEDs indicates instant status of port links, data activity, system operation and system power, helps monitor and troubleshoot when needed. Figure 4-8 show the front panel of the Standard Ethernet Module.

XGS3-S4XG LED indication



Figure 4-8 XGS3-S4XG LED panel

■ System

LED	Color	Function
PWR	Green	Lights to indicate that Standard Ethernet Module has power.
	Off	To indicate the Standard Ethernet Module power off.
RUN	Green	Blink slowly to indicate that Standard Ethernet Module running in normal status.
		Blink fast to indicate that system loading (Standard Module Booting after hot plug in).
	Yellow	Lights to indicate that Standard Ethernet Module shut down.
	Red	Lights to indicate that Standard Ethernet Module is failure.
	Off	Standard Ethernet Module is off and can be pulled out.

■ XFP interfaces

LED	Color	Function
LNK	Green	To indicate the link through that port is successfully established with speed 10Gbps.
	Off	No data go through the port.
ACT	Green	Blink to indicate that the Standard Ethernet Module is actively sending or receiving data over that port.

Further Configuration

If you want to configure more detail settings of XGS3-M24GX, XGS3-M44G, XGS3-S24G, XGS3-S48G, XGS3-S48GF and XGS3-S4XG, please refer to the user manual in the XGS3-42000R CD disk.

Customer Support

Thank you for purchase PLANET products. You can browse our online FAQ resource at the PLANET Website first to check if it could solve you issue. If you need more support information, please contact PLANET switch support team.

PLANET online FAQ :

<http://www.planet.com.tw/en/support/faq.php?type=1>

Switch support team mail address :

support_switch@planet.com.tw

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