

ProSwitch® 2600M Managed Modular Fast Ethernet/Gigabit Switch

Model: 2600M

Key Highlights

- ▶ Modular design allows you to customize ports to meet your unique LAN requirements
- ▶ Combine fiber and copper ports in the same chassis for a maximum of 26 ports
- ▶ Module choices include Fast Ethernet and Gigabit in copper and singlemode or multimode fiber
- ▶ Management features include:
 - Access via web, Telnet or CLI
 - SNMP
 - RMON
 - DHCP client
 - IGMP
 - 802.1x network security
 - QoS
 - CoS
 - VLANs
 - GVRP
 - Port mirroring
 - Port trunking
 - Flow control
 - MAC address security
 - Spanning Tree
 - TFTP firmware upgrade
- ▶ Plug and play installation allows you to add modules when you need them
- ▶ Significant cost savings when used in conjunction with Waters' classroom/workgroup switches
- ▶ Backed by Waters' limited lifetime warranty

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ProSwitch®-2600M Ethernet Switch Managed Modular Fiber and Copper Port Switching



ProSwitch-2600M with 8 10/100Base-TX ports, 8 100Base-FX ports with SC connectors and 8 100Base-FX ports with ST connectors

Waters Network Systems' ProSwitch® 2600M modular design provides a flexible cost-savings solution for combining fiber and copper switch ports in a single chassis. By combining fiber and copper switch ports in the same chassis, the flexibility of media conversion is already built into the switch.

Flexibility The 2600M is a fully managed chassis-based switch with three module slots in the front and two 1000Mbps uplink ports in the rear. You can choose from four 8-port module configurations supporting 10/100Base-TX and 100Base-FX (multi or single-mode). In addition, three single port Gigabit modules are available in 10/100/1000Base-TX, 1000Base-SX or 1000Base-LX. Maximum LAN flexibility is achieved by allowing you to customize the switch to meet your exact connectivity requirement.

Features and Benefits

- **802.3x Flow Control.** Compliant for full duplex and back pressure flow control for half duplex.
- **MDI/MDI-X function.** All models provide auto-cross negotiation, eliminating the need for cross over cables.
- **QoS support.** Four priority levels are available to provide the ability to customize the treatment of specific classes of data for better control. The QoS function allows you to prioritize types of data such as voice and video. QoS provides a means to control attributes such as error rates, lost packet rates, throughput, and delay.
- **802.1x Access control for improved network security.** The 2600M provides 802.1x which enables user authentication for each network access attempt. Port security allows you to limit the number of MAC addresses per port for better control. Static MAC addresses can be defined for each port to ensure only registered workstations are allowed access. By enabling both of these features, you can establish an access mechanism based on user and workstation identities, as well as control the number of access stations.
- **VLAN capable for performance and security.** VLANs are used to isolate traffic between different users and thus provides better security. Limiting the broadcast traffic to within the same VLAN broadcast domain also enhances performance. The ProSwitch 2600M supports 802.1Q Tagged VLAN, Protocol VLAN, GVRP supported VLAN ID and up to 256 groups.



ProSwitch®-2600M Managed Ethernet Switches

ORDERING INFORMATION

Model	Description
ProSwitch-2600M	Modular managed switch chassis. Holds up to three modules and two uplinks for a total of 26 usable ports

2600M Port Modules

2600-8TX	8-port 10/100Base-TX module with RJ45 connectors
2600-8FXSC	8-port 100Base-FX MM fiber module with SC connectors
2600-8FXST	8-port 100Base-FX MM fiber module with ST connectors
2600-8SMSC-20	8-port 100Base-FX SM (20km) fiber module with SC connectors
2600-1GigTX	1-port 10/100/1000Base-TX with RJ45 connector
2600-1GigSX	1-port 1000Base-SX MM fiber module with SC connector
2600-1GigLX-10	1-port 1000Base-LX SM (10km) fiber module with SC connector

SPECIFICATIONS

OPERATIONAL CHARACTERISTICS:

MAC Address Table

- ▶ Up to 8K

Switching Mode

- ▶ Store-and-forward

Memory Buffer Size

- ▶ 2 MB

Filtering/Forwarding Rate Performance

- ▶ 10Mbps: 14,880 pps
- ▶ 100Mbps: 148,800 pps
- ▶ 1000Mbps: 1,488,000 pps

LED INDICATORS:

Per port: Power; Link/Activity; FDX; collision
System LED Power

NETWORK STANDARDS:

- ▶ IEEE 802.3
- ▶ IEEE 802.3u
- ▶ IEEE 802.3z
- ▶ IEEE 802.3ab
- ▶ IEEE 802.3x
- ▶ IEEE 802.1P/Q
- ▶ IEEE 802.1D
- ▶ IEEE 802.1x

MANAGEMENT SPECIFICATIONS:

- ▶ Web Based, SNMP, Console and Telnet
- ▶ RMON
 - RFC1757 group 1, 2, 3 and 9
- ▶ DHCP client
- ▶ IGMP snooping function
- ▶ 802.1x port-based authentication
- ▶ QoS (four levels)
- ▶ CoS (four queues)
- ▶ VLANs 4094/Maximum 256 groups
- ▶ GVRP
- ▶ Port mirroring
- ▶ Port trunking

- ▶ Flow control
- ▶ Port security
- ▶ Static MAC address security
- ▶ TFTP/Kermit software upgrade capability

SNMP Agent Version 1:

- ▶ MIB-II
- ▶ Bridge MIB
- ▶ Etherlike MIB
- ▶ Private MIB

EMI/SAFETY COMPLIANCE:

UL 1950, CSA 22.2 No. 950
EN60950 (TUV), VCCI, FCC Class A, CE
EN50082-1, CE

COPPER CABLE/CONNECTORS:

Twisted Pair
▶ Shielded RJ45
Console Port:
▶ RS232 Cable/DB9 connector

FIBER CABLE/CONNECTORS:

- ▶ MM FX port: 50/125um, 62.5/125mm
- ▶ SM FX port: 9/125um
- ▶ MM SX/LX port: 50/125um, 62.5/125mm
- ▶ SM SX/LX port: 9/125um, 62.5/125mm
- ▶ SC or ST connectors

FIBER DISTANCE:

100Base-FX
▶ MM: 2km
▶ SM: 20km
1000Base-SX
▶ MM: 550m
1000Base-LX
▶ SM: 10km

POWER SUPPLY:

Input Voltage

- ▶ 100-240 VAC, 50/60Hz

Power Consumption

- ▶ 25 watts

OPERATING ENVIRONMENT:

Ambient Temperature
▶ 32° to 122°F (0° to 50°C)
Storage
▶ -13° to 158°F (25° to 70°C)
Ambient relative humidity
▶ 10% to 95% (non-condensing)

MECHANICAL:

Enclosure:

- ▶ Rugged high-strength sheet metal suitable for stand-alone or rack-mounting
- ▶ Cooling Method: Fan cooled

PHYSICAL CHARACTERISTICS:

Dimensions

- ▶ 17.32" W x 10" D x 1.75" H
- ▶ 440mm x 254mm x 44mm

Weight

- ▶ Switch Chassis: 6.12 lbs (2.8 kg)
- ▶ Copper Module: 0.41 lbs (18.4 kg)
- ▶ Fiber Module: 0.59 lbs (.27 kg)
- ▶ GIG Module: 0.11 lbs (.05 kg)

WARRANTY:

Limited Lifetime

Made in USA