

Switch-M24eG(PN28240A) Product Summary and Specification

1. Summary

The Switch-M24eG is managed ethernet switching hub

The Switch-M24eG has 24 10/100/1000BASE-T ports

The Switch-M24eG also has 2 uplink ports which have 2 extension SFP slots with 2 10/100/1000BASE-T ports.

2. Features

(1) 1-22 ports

These are 10/100/1000BASE-T ports which support auto negotiation.

Or the speed and the communicate mode can be set by manual setting.

23-24 ports

These ports are 10/100/1000BASE-T ports and extension SFP slots which support auto negotiation.

These ports are combo ports. Users can choose to use SFP module or 10/100/1000BASE-T ports.

(2) Straight/cross cable automatic operation discrimination function is installed in all twisted pair ports.

Users can use straight cable regardless to consider the distinction between the terminal and the networking equipment.

(This function can not be used when port trunking is set.

By default, port 1-22 are set to the MDI-X setting at the factory shipment.)

(3) Users can connect from remote console using Telnet, and can check and change the setting of switching hub.

(4) By detecting the connection status, power saving mode automatically works, and control and eliminate to minimum the electricity consumption to the requirement.

(5) Max 256 VLAN group can be set by grouping ports using the VLAN function.

(6) The QoS function in accordance with IEEE802.1p is supported.

(7) The port can detect network loop.

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3. Specification

function	content
Ports	
Physical ports	<p>24 RJ-45 auto negotiation 10/100/1000 ports (IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3ab 1000BASE-T) Media Type : Auto MDI/MDI-X (factory default: MDI-X) Duplex : half or full</p> <p>2 combo ports each port can be used as either an RJ-45 10/100/1000 port or as a SFP Slot</p> <p>RJ-45 Port (IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3ab 1000BASE-T Gigabit Ethernet)</p> <p>SFP Slot (for use with SFP transceivers)</p> <p>1 RJ-45 serial console port</p>
Physical characteristics	
Dimensions	Height: 44mm Width: 330mm Depth: 230mm
Weight	2,400g
Mounting	
brackets	Mounts an EIA Standard 19 inch rack (include mounting brackets)
Performance	
Switching capacity	48Gbps
Mac Address table	8K entries
Packet buffer	512bytes
Forwarding rate	10BASE-T : Up to 14,880pps/port 100BASE-TX : Up to 148,800pps/port 1000BASE-T : Up to 1,488,000pps/port
Environment	
Operating temp.	0 - 50 deg. C
Operating humidity	20 - 80 %RH (non condensing)
Storage temp.	-20 - 70 deg. C
Storage humidity	10 - 90 %RH (non condensing)
Electrical characteristics	
Voltage	AC 100 - 240V
Current	0.8A
Maximum power rating	25W
Frequency	50 / 60 Hz

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Immunity	ESD : IEC61000-4-2 (10KV) Radiated : IEC61000-4-3 Level2 EFT/Burst : IEC61000-4-4 Level3 Surge : IEC61000-4-5 Level3 (AC Line) Conducted : IEC61000-4-6 Level2 Power frequency magnetic field : IEC61000-4-8 Level4 Voltage dips and interruptions : IEC61000-4-11																																					
Standard and protocols	<table border="0"> <tr> <td>General protocols</td> <td>IEEE802.1p</td> <td>QoS Prioritization (4 priority-queuing)</td> </tr> <tr> <td></td> <td>IEEE802.1Q</td> <td>Tag VLAN (up to 256 VLANs)</td> </tr> <tr> <td></td> <td>IEEE802.3ad</td> <td>Link Aggregation [LACP or manual] (max.:8 port/group, 8 group/unit)</td> </tr> <tr> <td></td> <td>IEEE802.3x</td> <td>Flow Control</td> </tr> <tr> <td>Supported Agent</td> <td>RFC1157</td> <td>SNMP</td> </tr> <tr> <td></td> <td>RFC854</td> <td>Telnet</td> </tr> <tr> <td></td> <td>RFC783</td> <td>TFTP</td> </tr> <tr> <td></td> <td>RFC1769</td> <td>SNTP</td> </tr> <tr> <td></td> <td>RFC4250~4254</td> <td>SSHv2</td> </tr> <tr> <td>Supported MIB</td> <td>RFC1213</td> <td>MIB II</td> </tr> <tr> <td></td> <td>RFC1493</td> <td>Bridge-MIB</td> </tr> <tr> <td></td> <td>RFC1907</td> <td>SNMPv2-MIB</td> </tr> </table>		General protocols	IEEE802.1p	QoS Prioritization (4 priority-queuing)		IEEE802.1Q	Tag VLAN (up to 256 VLANs)		IEEE802.3ad	Link Aggregation [LACP or manual] (max.:8 port/group, 8 group/unit)		IEEE802.3x	Flow Control	Supported Agent	RFC1157	SNMP		RFC854	Telnet		RFC783	TFTP		RFC1769	SNTP		RFC4250~4254	SSHv2	Supported MIB	RFC1213	MIB II		RFC1493	Bridge-MIB		RFC1907	SNMPv2-MIB
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