

Switch-M8esPWR(PN27089NA) Product Summary and Specification

1. Summary

Switch-M8esPWR is managed ethernet switching hub with Power Over Ethernet function.

Switch-M8esPWR has 8 10/100BASE-TX ports which have the IEEE 802.3af-compliant feeding power function.

Switch-M8esPWR also has 2 uplink ports which have the 10/100/1000BASE-T ports.

2. Features

(1) Port 1-8

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

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

Port 9-10

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

(2) As for port 1-8, feeding power in accordance with IEEE 802.3af is possible.

The feeding power is 15.4W or less per port.

And it is possible to feed power up to 60W in the entire equipment.

(3) 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 1-8 are set to the MDI-X setting at the factory shipment.)

(4) Users can connect from remote console using Telnet or SSH, and can check and change the setting of switching hub. Users can set PoE enabled/disabled from remote console for each port (port 1-8).

(5) By detecting the connection status, power saving mode works, and automatically stop the power supply to the port which is not connected by any device.

(6) Up to 256 VLAN group can be set by grouping ports using the VLAN function.

(7) The spanning tree protocol is supported and the system construction with redundancy is possible.

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

(9) Switch-M8esPWR supports IEEE802.1X user authentication function (EAP-MD5/TLS/PEAP).

Switch-M8esPWR(PN27089NA) Product Summary and Specification

3. Specification

function	content
Ports	
Physical ports	<p>8 RJ-45 auto negotiation 10/100M PoE ports (IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3af PoE) Media Type : Auto MDI/MDI-X (factory default: MDI-X) Duplex : half or full</p> <p>2 RJ-45 auto negotiation 10/100/1000M ports (IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3ab 1000BASE-T Gigabit Ethernet)</p> <p>1 RJ-45 serial console port</p>
Physical characteristics	
Dimensions	Height: 44mm Width: 210mm Depth: 280mm
Weight	1,900g
Mounting	
brackets	Option
Performance	
Switching capacity	5.6Gbps
MAC Address table	16K entries
Packet buffer	1.5Mbytes
Forwarding rate	<p>10BASE-T : Up to 14,880pps/port</p> <p>100BASE-TX : Up to 148,800pps/port</p> <p>1000BASE-T : Up to 1,488,000pps/port</p>
Environment	
Operating temp.	0 - 40 deg. C
Operating humidity	20 - 80 %RH (non condensing)
Storage temp.	-20 - 70 deg. C
Storage humidity	10 - 80 %RH (non condensing)
Electrical characteristics	
Voltage	AC 100 - 240V
Current	3.0A
Maximum power rating	79W
PoE power budget	60W
Frequency	50 / 60 Hz

Switch-M8esPWR(PN27089NA) Product Summary and Specification

3. Specification

function	content	
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		
General protocols	IEEE802.1D	Spanning Tree
	IEEE802.1w	Rapid Spanning Tree
	IEEE802.1p	CoS Prioritization (4 priority-queuing)
	IEEE802.1Q	Tag VLAN (up to 256 VLANs)
	IEEE802.1X	Port-Based Network Access Control (EAP-MD5/TLS/PEAP)
	IEEE802.3ad	Link Aggregation [LACP or manual] (max.:8 ports/group, 5 groups/unit)
	IEEE802.3x	Flow Control
Supported Agent	RFC1157	SNMP 1
	RFC1901	SNMP 2
	RFC854	Telnet
	RFC4251-4254	SSH 2
	RFC4716	SSH 2
	RFC783	TFTP
	RFC1769	SNTP 3
Supported MIB	RFC1213	MIB II w/o at(3) and epg(8) groups
	RFC3621	Power-Ethernet-MIB w/o peth Pse Port Power Priority