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28 Port Rackmount Managed Gigabit PoE Switch, IPSMGR 3024-4S



- 24 x Gigabit RJ45 ports + 4 x Gigabit SFP ports (Combo)
- IEEE802.3af & IEEE802.3at Standard PoE
- 430W PoE budget
 - SNMP v1 v2 v3, WEB, Telnet, SSH, Console
- Support standard IP/ Extend IP / MAC IP / ARP ACL
- 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)
- EAPS (ultra high-speed recovery time < 20 ms), RSTP/STP/MSTP
- L2 MAC Address 8K, Switching capacity 48G
- Lost Power alarm
- 100 to 240VAC input and Relay output
- -20 to 60°C wide-range operating temperature

The IPSMGR 3024-4S series is designed for Industrial applications. Thanks to its wide operating temperature it can operate reliably in extremely harsh environments. Designed with 24 Gigabit ports and 4 Gigabit SFP ports (Combo), it provides abundant and flexible connection. It contains surge protection to ensure system stability and Relay outputs for greater user flexibility.

Communications

Standards	Gigabit port)
IEEE 802.3, 802.3u, 802.3x, 802.3z,	SFP : Up to 110 km (depends on SFP)
802.1D, 802.1w, 802.1p, 802.1Q,	Transmission Speed : Ethernet: 10/100
802.1X, 802.3ad, 802.3ab	Mbps Auto-Negotiation
LAN : 10/100/1000Base-T (X), 1000Base-	Gigabit Copper : 10/100/1000 Mbps, Auto-
SX/LX/LHX/XD/ZX/EZX	Negotiation
Distance : Ethernet: Up to 100 m (4 wire	Gigabit Fiber : Up to 1000 Mbps
Cat.5e, Cat.6 RJ45 cable suggested for	Throughput : Min 35Mpps

Interface

Connectors : 24 x RJ45 (Ethernet)	LED Indicators : RJ-45: Link/Activity
4 x SFP Ports (Combo)	SFP : Link/Activity
3-pin removable screw terminal (Power)	PoE : On/Off
2-pin removable screw terminal (Relay)	Console : RS-232 (RJ45)

Mechanical

Enclosure : IP30, metal shell with Rack-	Dimensions : 442 x 44 x 352 mm
mounting kits	Mounting : 1U, 19" Rack mount

Power

Power Consumption : 20 W @ 110VAC (no	Power Input : 90 to 264VAC / 88 ~ 370VDC
PoE load)	Fault Output : Relay Outputs

Protection

Surge protection : Power: CM / DM 8/20us	Reverse Polarity : Present
3KA	Overload Current : Present
RJ45: CM / DM 10/700us 6KV	

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Environment

Operating Temperature : -20 to 60°C	condensing)
Storage Temperature : -20 to 70°C	Storage Humidity : 10 to 95% (non-
Operating Humidity : 10 to 95% (non-	condensing)

Certification tested for

Safety : CE-LVD	EN 61000-4-6
EMI : CE FCC EN55022 Class A	EN 61000-4-8
EMS : EN 61000-4-2,	Shock : IEC 60068-2-27
EN 61000-4-3	Freefall : IEC 60068-2-32
EN 61000-4-4	Vibration : IEC 60068-2-6
EN 61000-4-5	

L2 Features

L2 MAC Address : 8K	Port Mirroring : Per port, Multi-source port
Switching capacity : 48G	IP Multicast : IGMP Snooping v1/v2/v3, MLD
Jumbo Frame : 9KB	Snooping, IGMP Immediate leave
VLAN Group : 4093 (VLAN ID 1~4093)	Storm Control : Broadcast, Multicast,
VLAN : Mac based VLAN, Protocol based	Unknown unicast
VLAN, IP subnet based VLAN, Port based	Spanning Tree : IEEE 802.1D-STP, IEEE
VLAN, GVRP	802.1s-MSTP, IEEE 802.1w-RSTP, EAPS

Security

Port Security : Static, Dynamic	ACL : Standard IP/ Extend IP / MAC IP /
Authentication : 802.1x (Port-Based),	ARP ACL
RADIUS, TACACS+	Advanced Security : IP Source Guard

Management

DHCP : Relay, Option82	Security Access : SSH
Access : SNMP v1 v2 v3, WEB, Telnet,	Software Upgrade: TFTP, HTTP
RMON, Standard MIB, Private MIB	NTP : NTP client

QoS

Priority Queue Scheduling: WRR (Weighted	Rate Limiting : Egress Rate limit, Ingress
Round Robin), SP (Strict Priority)	Rate limit
Class of Service: IEEE 802.1p based CoS,	Link Aggregation : IEEE 802.3ad Dynamic
IP TOS, DSCP based CoS	Port Trunking, Static Port Trunking

Ordering Information : IPSMGR 3024-4S Hi

IPSMGR	: Base Model for 19" Rack-mount L2 Managed Switch
3024	: 24 * PoE ports (PoE Budget 430W)
4S	: 4 * Giga SFP Ports
Hi	: Fixed

Note : SFP to be ordered separately