

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



- 24xGigabit RJ45 ports + 4xGiga combo SFP ports
  - 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
  - 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

IEEE 802.3, 802.3u, 802.3x, 802.3z,  
802.1D, 802.1w, 802.1p, 802.1Q,  
802.1X, 802.3ad, 802.3ab  
LAN : 10/100/1000Base-T (X), 1000Base-  
SX/LX/LHX/XD/ZX/EZX

#### Distance :

Ethernet : Up to 100 m (4 wire Cat.5e,  
Cat.6 RJ45 cable suggested for

Gigabit port)

SFP : Up to 110 km (depends on SFP)

**Transmission Speed** : Ethernet: 10/100  
Mbps Auto-Negotiation

Gigabit Copper : 10/100/1000 Mbps, Auto-  
Negotiation

Gigabit Fiber : Up to 1000 Mbps

**Throughput** : Min 35Mpps

### Interface

**Connectors** : 24 x RJ45 (Ethernet)

4 x SFP Ports (Combo)

3-pin removable screw terminal (Power)

2-pin removable screw terminal (Relay)

**LED Indicators** : RJ-45: Link/Activity

SFP : Link/Activity

PoE : On/Off

Console : RS-232 (RJ45)

### Mechanical

**Enclosure** : IP30, metal shell with Rack-  
mounting kits

**Dimensions** : 442 x 44 x 352 mm

**Mounting** : 1U, 19" Rack mount

### Power

Power Consumption : 20 W @ 110VAC (no  
PoE load)

Power Input : 90 to 264VAC / 88 to 370VDC

Fault Output : Relay Outputs

### Protection

Surge protection : Power: CM / DM 8/20us  
3KA

RJ45: CM / DM 10/700us 6KV

Reverse Polarity : Present

Overload Current : Present

San Telequip (P) Ltd.,  
504 & 505 Deron Heights, Baner Road  
Pune 411045, India  
Phone : +91-20-27293455, 9764027070  
email : [info@santelequip.com](mailto:info@santelequip.com)



### 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)

### 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

### 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	

### 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**