AT-IFS802SP/POE (W)

8 port Industrial Managed POE Switch

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8 port 10/100TX Industrial Managed PoE Swtich with 2 SFP combo ports

Performance

The AT-IFS802SP/POE (W) is a high performance and cost-effective industrial managed switch that meet the high reliability requirements of industrial network operations.

The industrial switch provides a network manager some key features using the simple web-based management function such as; port-based VLANs, IEEE 802.1p Qos, port trunking/link aggregation, port mirroring, priority queues and IEEE 802.1x security support. With support of up to 8k MAC addresses and a 1Mbit packet buffer the AT-IFS802SP/POE (W) switch is an ideal option for integrating management into your network solution.

Securing the Network Edge

To ensure the protection of your data, it is important to control access to your network. Protocols such as IEEE 802.1x port-based authentication guarantee that only known users are connected to the network. Unknown users who physically connect can be isolated to a pre-determined part of your network offering guests such benefits as Internet access while ensuring the integrity of your private network data.

Gigabit and Fast Ethernet SFP Support

The SFP Ports support both Gigabit and Fast Ethernet Small Form-factor Pluggables (SFPs). This makes the switch an ideal family for environments where Gigabit fiber switches will be phased in over time. This allows for connectivity to the legacy 100FX hardware until it is upgraded to Gigabit. Support for both speeds of SFPs allows organizations to stay within budget as they migrate to faster technologies.

High Network Resiliency

The AT-IFS802SP/POE (W) industrial switch support the X-Ring protocol that can help the network recover from connection failure system very resilient. The X-Ring algorithm is within 20ms, thus making the network similar to spanning tree protocol (STP) algorithm but its recovery time is faster than STP. In addition, Dual Homing and Couple Ring Topology are also supported to further increase the network availability.

Key Features

- 5.6Gbps Switching capacity
- Supports 100/1000Mbps SFPs
- Up to 8K MAC address table
- 48 VDC Redundant power inputs
- IP 30 Metal Case
- Support X-Ring function
- SNMP v1/v2c/v3, Web, Telnet, CLI Management
- TFTP firmware update, system configure restore and backup
- Provides standards-based IEEE 802.3af
- Power over Ethernet upto 8 ports of class 3 powered devices at 15.4 watts
- Ingress Packet Filter and Egress Rate Limit

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Specifications

Ethernet Communications

- Standard

IEEE 802.3,	10Base-T Ethernet
IEEE 802.3u,	100Base-TX/FX
IEEE 802.3ab,	1000Base-T
IEEE 802.3z,	Gigabit Fiber
IEEE 802.3ad,	LACP
IEEE 802.3x,	Flow Control and Back Pressure
IEEE 802.3ad	Port Trunk with LACP
IEEE 802.3af	Power over Ethernet (Mode A)
IEEE 802.1d	Spanning Tree/ IEEE802.1w Rapid Spanning Tree
IEEE 802.1p	Class of Service
IEEE 802.1Q	VLAN Tag
IEEE 802.1x	User Authentication (Radius)
IEEE 802.1ab	LLDP

- Port Connector: 10/100TX: RJ-45 x 8
SFP Combo: RJ-45 x 2,
100/1000 SFP x 2
Console port : RJ45 x 1

Performance

- Wire-speed forwarding rate: 14,880pps for 10Mbps Ethernet
148,800pps for 100Mbps Ethernet
1,488,000pps for 1000Mbps Ethernet
1Mbits
- Mac Address: 8K
- Packet Buffer: 1Mbits
- DRAM: 32Mbytes
- Flash ROM: 4Mbytes
- Switching Fabric: 5.6Gbps
- Throughput: 8.3 Mbps @64bytes (Full Duplex)

Management

- Configuration: SNMP v1/v2c/v3, Web, Telnet, CLI
- VLAN: IEEE 802.1Q, GVRP, Port-based VLAN
Up to 4096 VLAN ID
- Redundancy: X-Ring, Dual Homing and Couple Ring,
IEEE 802.1d STP and IEEE 802.1w RSTP
- Security: IP Access security, port security, DHCP Server, IP Binding per Port, IEEE 802.1x Port Access Control
- Traffic Control: IGMP Snooping/ Query for multicast group management, multi-cast filter
Port trunking, Static IEEE 802.1p QoS/ CoS/ToS/DSCP priority queuing, IEEE 802.3x flow control
- Diagnostics: Port Mirroring, LLDP, Real-time traffic statistic, MAC Address Table, SNTP, Syslog, E-mail Alert, SNMP Trap, RMON

Power

- Power consumption: 135 Watts Max. @ 48V
support for up to 8 class 3 powered devices at 15.4 wat
- Power Input: 48VDC, Redundant power
- Power Connector: 6 poles terminal block x 1
- Relay Output: 1A @ 24VDC

Environment

- Operating Temperature: -40 ~ 75°C (-40 ~ 167°F)
- Storage Temperature: -40 ~ 85°C (-40 ~ 185°F)
- Storage Humidity: 5 ~ 95% (non-condensing)
- MTBF: 272761.3927 hrs

General

- LED Indicators:

System:	Power, Power 1, Power 2, Fault, Master
10/100TX:	Link/Activity, FDX/COL
Giga Copper:	Link/Activity, Speed
SFP:	Link/Activity

- Diagnostics: Port Mirroring, LLDP, Real-time traffic statistic, MAC Address Table, SNTP, Syslog, Email Alert, SNMP Trap, RMON

Technical Specifications

Physical Characteristics

- Dimensions (W x D x H): 44.4cm x 32.2cm x 4.35cm
2.8" x 4.1" x 6.0"
- Weight: 1.42kg (3.2lbs)
- Enclosure: IP30, Metal with aluminum shell
- Installation: DIN-rail/Wall Mount Design

Certification

- Safety: UL/cUL60950-1
- EMC: CE, FCC Class A
EN61000-6-4
EN61000-6-2
EN61000-4-2 (ESD)
EN61000-4-3 (Radiated RFI)
EN6100-4-4 (Burst)
EN61000-4-5 (Surge)
EN61000-4-6 (Induced RFI)
EN61000-4-8 (Magnetic Field)
- Shock: IEC60068-2-27
- Freefall: IEC60068-2-32
- Vibration: IEC60068-2-6

Ordering Information

AT-IFS802SP
8 10/100TX + 2 10/100/1000T/SFP Combo Managed Industrial Switch

AT-IFS802SP/POE (W)
8 10/100TX + 2 10/100/1000T/SFP Combo SFP Combo Wide Operating Temperature (-40°C ~75°C) Managed Industrial Switch

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