

AT-IFS802SP

8 port Industrial Managed Switch

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



Performance

The AT-IFS802SP is a high performance and cost-effective industrial managed switch that meets the high reliability requirements of industrial network operations.

This 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 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.

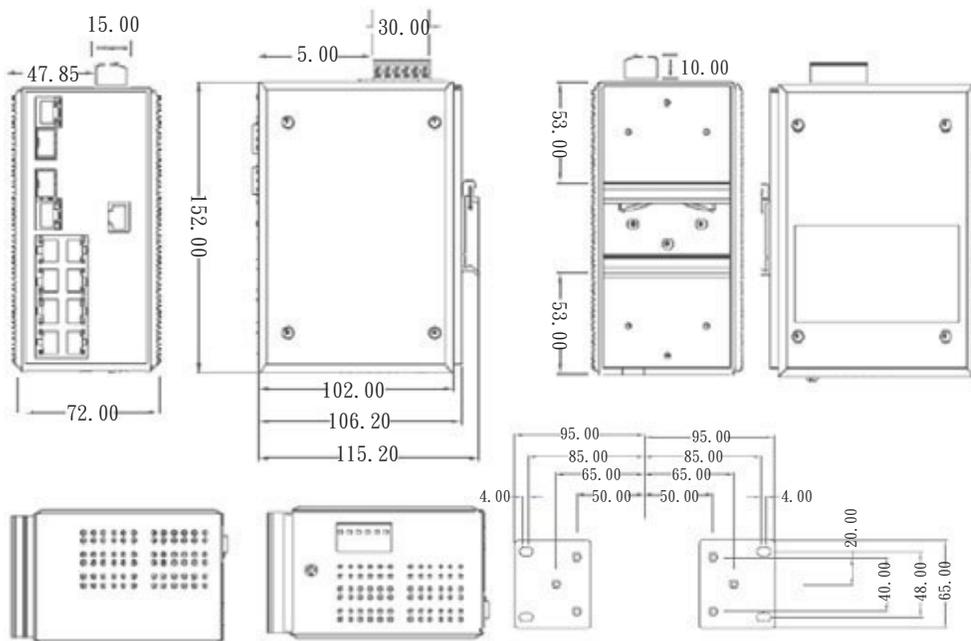
Gigabit and Fast Ethernet SFP Support

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 industrial switch supports the X-Ring protocol that can help the network recover from connection failure within 20ms, thus making the network system very resilient. The X-Ring algorithm is 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
- » 12 - 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
- » 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 802.1d, 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
 - 148,880pps for 100Mbps Ethernet
 - 1,488,000pps for 1000Mbps Ethernet
- Mac Address 8K
- Packet Buffer 1Mbits
- DRAM 32Mbytes
- Flash ROM 4Mbytes
- Switching Fabric 5.6Gbps
- Forwarding Rate 4.16Mpps

Management

- Configuration SNMP v1/v2c/v3, Web, Telnet, CLI
- VLAN
 - Port Based VLAN up to 256 entries
 - IEEE 802.1Q Tag VLAN (256 entries)
 - VLAN ID (Up to 4K, VLAN ID can be assigned from 1 to 4094.)
 - GVRP up to 256 Groups
- 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, SNMP, Syslog, E-mail Alert, SNMP Trap, RMON

Power

- Power consumption 8.064 Watts@48V
- Power Input 12~48VDC, Redundant power
- Power Connector 6 poles terminal block x 1
- Relay Output 1A @ 24VDC

Environment

- Operating Temperature -10 ~ 65°C (14 ~ 149 °F)
- Storage Temperature -40 ~ 85°C (-40 ~ 185 °F)
- Humidity Operating 5 to 95 %
- Humidity Storage 5 to 95 %
- MTBF 272761.3927 hrs

General

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

Technical Specifications

Physical Characteristics

- Dimensions 7.2cm x 11.5cm x 15.2cm (W x D x H) 2.8" x 4.5" x 6.0"
- Weight 1.34kg (2.95lbs)
- Enclosure IP-30, Metal with aluminum shell
- Installation DIN-rail/Wall Mount Design

Certification

- Safety UL, cUL, CE/EN60950-1, C-Tick
- EMC CE, FCC Class A
 - EN61000-6-4
 - EN61000-6-2
 - EN61000-4-2 (ESD)
 - EN61000-4-3 (Radiated RFI)
 - EN61000-4-4 (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
- Environment Compliance RoHS, WEEE

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



the solution : the network

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