

AGENT-2 S20T



Managed Industrial 8-port 10/100/1000 BASE-TX + 2-port GbE Advanced Ethernet Switches with SFP

The AGENT-2 S20T is a cost-effective high-performance L2 Ethernet Switch comes with 8x 10/100/1000Mbps TX ports plus 2x 1000BASE-SX/LX ports with SFP. Fully managed via SNMP, Web Browser, Telnet or Console port, this systems are designed to integrate 10/100/1000 Mbps networks into Gigabit backbones. This Line also supports advanced L2 features as, among others, Tagged VLAN, Port VLAN, Q-in-Q, LACP, QoS with for priority queues, Rapid Spanning Tree for Redundancy, Multicast IGMP Snooping, MAC-based Trunking, LACP, and IEEE 802.1x Security. Users may choose among SNMP/RMON, Web browser, or Telnet for remote monitoring and configuration. These systems also support rate control for ingress/egress traffic, which allows users to set the maximum bandwidth on each port individually.

Main Features

- 8x 10/100/1000BASE-TX ports (with IEEE 802.3x Full/Half duplex, Autonegotiation and Auto-MDIX functions)
- 2x GbE optical ports with SFP
- Jumbo frame
- IEEE 802.1w RSTP and IEEE 802.1D STP compatible
- IEEE802.1q VLAN Tagging and Port-based VLAN
- IEEE 802.1ad Double-Tagged VLAN (Q-in-Q)
- Supports Dynamic VLAN and Guest VLAN
- Private VLAN
- IEEE802.1p QoS with four priority queues
- Static MAC Address binding
- Dynamic MAC Addresses with upper limit of secured MAC addresses allowed
- IP port binding
- Supports IEEE802.1x Security
- IGMP Snooping for Multicast Filtering
- Broadcast storm control
- In-band Management via SNMP/Telnet/HTTP/HTTPS
- Supports TFTP and HTTP F/W upgrades
- Command Line Interface in RS-232 Console
- Bandwidth Rate Control
- IEEE802.3ad LACP for Link Aggregation
- Port rate limit for Ingress/Egress traffic
- DHCP Client and DHCP Relay
- Port mirroring
- Event log
- 0°C to 50°C operating temperature range

Technology

Standards

- ▶ IEEE802.3 10Base-T, IEEE802.3u 100Base-TX
- ▶ IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/1000Base-LX
- ▶ IEEE802.3x, IEEE802.1p, IEEE802.1q, IEEE 802.1ad
IEEE 802.3ad, IEEE 802.1d, IEEE802.1w,
IEEE802.1x

Additional Protocols

- ▶ IGMP, DHCP, SNMP, TFTP, HTTP, HTTPS

Forward and Filtering Rate

- ▶ Full line speed

Packet Buffer Memory: 500 kbyte

Processing Type

- ▶ Store-and-Forward
- ▶ Half-duplex back-pressure and IEEE802.3x full-duplex flow control

MAC Table Size: 8K

Mac Packet Size: 1518 bytes (without tag)
9600 bytes for Jumbo Frame

Management

In-band

SNMP/Telnet/HTTP/HTTPS

Administrator IP/Subnet limit is supported

Out-band

RS-232 Console

DHCP

Supports DHCP Client/Relay

SNMP Agent

Supports MIB II (RFC 1213), Bridge MIB (RFC 1493)
VLAN MIB (IEEE 802.1q, RFC2674)
Private MIB

VLAN

Tagged VLAN (1024 groups, 4096 VLAN)

Port-based VLAN

Private VLAN

Q-in-Q

Yes

Trunking

LACP (up to 8 trunks using either static or dynamic trunking)

QoS

CoS, ToS, 4 priority queues per port
WRR scheduling

Interface

Ethernet Port

- ▶ 10/100Base-TX: 8,6 or 4 port
- ▶ 100Base-FX: 0, 1, 2 or 4 ports
- ▶ Gigabit: 0 or 1 port

Console Port: One DB9 RS-232 port

LED Indicators

Per Unit: Power, System

Per Port: Link/Activity (Green:Gigabit, Yellow: 10/100M)

Spanning Tree

IEEE 802.1w Rapid Spanning Tree

IEEE 802.1d Spanning Tree compatible

Port Mirroring

Yes

Rate Control

Yes, 1~31 levels (between 128Kbps~30Mbps)

Power

100~240VAC (50/60 Hz)

36~72VDC

Power Consumption

8W Max.

Environment

Operating Temperature

0°C to 50°C

Ambient Relative Humidity

5% to 95% (non-condensing)