SW-10200 10-Port Managed PoE Switch

i3 Part# SW-10200

Features

- 8-Ports 10/ 100Base-TX RJ-45 Auto-MDI/MDI-X
- 2-Ports 10/100/1000Base-T RJ-45 Auto-MDI/MDI-X
- Complies with IEEE 802.3af Power over Ethernet End-Span PSE
- Hardware stack up to 16 units and 384 Gigabit ports
- Ingress Shaper and Egress Rate Limit per port bandwidth control
- Supports IGMP Snooping v1, v2 and v3
- IEEE 802.1x Port-Based / MAC-Based network access authentication
- Switch Management Interfaces

Application & Benefits

i3 International introduces new members to our PoE switch series, the SW-10200, a 150 Watt, 10 Port Managed Switch. The SW-10200 is made for megapixel and IP Camera installations requiring high performance. The SW-10200s intelligent features include power management and temperature threshold.

SW-10200 is WEB and SNMP management interfaces making it easy-to-use. SW-10200 supports standard Simple Network Management Protocol (SNMP) and can be managed via any standard-based management software. For text-based management, the SW-10200 series can be accessed via Telnet and the console port.

The two mini-GBIC slots on the SW-10200 are compatible with 1000Base-SX/LX and WDM SFP (Small Form Factor Pluggable) fiber-optic modules. The distance can be extended from 550 meters (Multi-Mode fiber cable) up to 10/30/50/70/120 kilometers (Single-Mode fiber or WDM fiber cable). They are well suited for applications within enterprise data centers and are also a viable solution for smaller network enterprises.

International Standards
Organization Registered Firm;
ISO 9001 Quality System

For design help, accessories or pricing, please contact:
sales@avsupply or call: 1-858-565-1101

Hardware Specification

Copper Ports	8-Ports 10/ 100Base-TX RJ-45 Auto-MDI/MDI-X; 2-Ports 10/100/1000Base-T RJ-45 Auto-MDI/MDI-X
SFP/mini-GBIC Slots	2-Ports 1000Base-SX/LX/BX (Shared)
Console	1 x RS-232 DB9 serial port (115200, 8, N, 1)
Switch Processing Scheme	Store-and-Forward
Switch Fabric	5.6Gbps / non-blocking
Address Table	8K entries
Share data Buffer	2 Mbits
Flow Control	IEEE 802.3x Pause Frame for Full-Duplex Back pressure for Half-Duplex
Jumbo Frame	9K Bytes
LED	Power, FAN Alarm, Link/Activity (Green), PoE In-Use (Amber), 1000 LNK / ACT(Green), 10/100 LNK / ACT(Green)
Dimension (W x D x H)	330 x 155 x 43.5mm
Weight	1.63kg
Power Consumption	200 Watts / 58.6 BTU
Power Requirement	100 ~ 240V AC, 50/60Hz

Power over Ethernet

PoE Standard	IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply	End-Span
PoE Power Output	Per Port 48V DC, 350mA . Max. 15.4 Watts
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	260 Watts*
PoE Ability	# of PD @7Watts: 8; # of PD @15.4Watts: 8; # of PD @15.4Watts: 8

Layer 2 function

Basic Management Interfaces	Console, Telnet, Web Browser, SNMPv1, v2c
Port configuration	Port disable/enable; Auto-negotiation; 10/100/1000Mbps full and half duplex mode selection; Flow Control disable / enable
VLAN	IEEE 802.1Q Tag-based VLAN, up to 255 VLANs groups, out of 4041 VLAN IDs; Port-based VLAN; Q-in-Q tunneling; GVRP for VLAN Management, up to 128 dynamic VLAN entries; Private VLAN Edge(PVE / Protected port) with two protected port groups
Link Aggregation	Static Port Trunk; IEEE 802.3ad LACP (Link Aggregation Control Protocol); Supports 13 groups of 8-Port trunk support
QoS	4 priority queue; Traffic classification based on: - Port priority, - 802.1p priority, -- DSCP / TOS field in IP Packet
IGMP Snooping	IGMP (v1/v2) Snooping, up to 256 multicast Groups
Access Control List	IP-Based ACL / MAC-Based ACL Up to 220 entries
SNMP MIBs	RFC-1213 MIB-II; RFC-2863 Interface MIB; RFC-2665 EtherLike MIB; RFC-1493 Bridge MIB; RFC-2819 RMON MIB (Group 1, 2, 3,9); RFC-2737 Entity MIB; POWER-ETHERNET-MIB

Standards Conformance

Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.1x Port Authentication Network Control, IEEE 802.3af Power over Ethernet, RFC 768 UDP, RFC 793 TFTP, RFC 791 IP, RFC 792 ICMP, RFC 2068 HTTP, RFC 1112 IGMP version 1, RFC 2236 IGMP version 2, RFC 2236
Standards Compliance	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX, IEEE 802.3x Flow Control and Back pressure, IEEE 802.3ad Port trunk with LACP, IEEE 802.1D Spanning tree protocol, IEEE 802.1s Multiple spanning tree protoco

Environment

Operating	Temperature: 0 ~ 50 Degree C; Relative Humidity: 20 ~ 95% (non-condensing)
Storage	Temperature: -40 ~ 70 Degree C; Relative Humidity: 20 ~ 95% (non-condensing)

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