![ADVICE logo]

ADV-SWM8P2F

Managed 8-Port 10/100/1000T 802.3at PoE -2 +Port 100/1000X SFP Switch

To fulfill the demand of higher power required PoE network applications with Gigabit speed transmission, Advice introduces new high PoE, desktop 13-inch size Gigabit Managed Switch – ADV-SWM8P2F which features high performance Gigabit IEEE 802.3af PoE (Up to 15.4W) and IEEE 802.3at PoE Plus (Up to 30.8W) on all ports. A maximum of 40 Watts is available on each Gigabit ports of the ADV-SWM8P2F for powering per PD, with a maximum PoE delivery of 115 Watts for all ports in order to satisfy the increasing needs of power consumption by PDs. Providing Gigabit throughput and high power supply, the ADV-SWM8P2F optimizes the installation and power management of network devices such as 11n wireless access points (AP) with Gigabit PoE LAN port, security PTZ / Speed Dome network video camera, large screen PoE Video phones, thin-clients and et.

Features:

- Physical Port
- 8-Port 10/100/1000Base-T Gigabit Ethernet RJ-45 with IEEE 802.3af / 802.3at PoE Injector
- 2 100/1000Base-X mini-GBIC/SFP slots, SFP type auto detection Power over Ethernet
- Complies with IEEE 802.3af Power over Ethernet End-Span PSE
- Complies with IEEE 802.3at high-power Power over Ethernet End-Span PSE
- Up to 8 ports for IEEE 802.3af / 802.3at devices powered
- Supports PoE Power up to 40 watts for each PoE port
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m
- PoE Management
- Per port PoE function enable / disable
- PD classification detection
- PD Alive check

Layer 2 Features

- Prevents packet loss with back pressure (Half-Duplex) and IEEE 802.3x PAUSE frame flow control (Full-Duplex)
- High performance of Store-and-Forward architecture and run/CRC filtering eliminates erroneous packets to optimize the network bandwidth
- Storm Control support— Multicast / Unknown-Unicast / Broadcast
- Supports VLAN— IEEE 802.1Q Tagged VLAN— Up to 10 VLANs groups, out of 160 VLAN Ids— Provider Bridging (VLAN Q-in-Q) support (IEEE 802.1ad)— Private VLAN Edge (PVE)\Protocol-Based VLAN\ MAC-Based VLAN\Voice VLAN
- Supports Spanning Tree Protocol— STP, IEEE 802.1D Spanning Tree Protocol— RSTP, IEEE 802.1w Rapid Spanning Tree Protocol— MSTP, IEEE 802.1s Multiple Spanning Tree Protocol, spanning tree by VLAN\BPDU Guard
- Supports Link Aggregation— 802.3ad Link Aggregation Control Protocol (LACP)— Cisco ether-channel (Static Trunk)— Maximum 5 trunk groups, up to 10 ports per trunk group— Up to 20Gbps bandwidth (Duplex Mode)
- Provides Port Mirror (many-to-1)
- Port Mirroring to monitor the incoming or outgoing traffic on a particular port

Hardware Features

Model	ADV-SWM8P2F
Hardware application	
Copper ports	8 10/100/1000base T- RJ-45 auto MDI/MDI-X ports
SFP/mini-GBIC slots	2 1000base SX/LX/BX SFP interfaces (port 9 and port 10) compatible with 100base FX SFP
Switch Architecture	Store and forward
Bandwidth/Backplane	20Gbps / non blocking
Throughout	14.88Mpps
Address table	8K entries, automatic source address learning and ageing
Share data buffer	1392 kilobytes
Flow control	IEEE 802.3x pause frame for full duplex back pressure for half duplex
Jumbo frame	9Kbytes
Reset button	<5 seconds: system reboot >5 seconds: factory default
Dimensions(WxDxH)	294*178.8*44mm, 1U high
Weight	1.8kg
LED	Power, PoE max Link/Act per Gigabit port PoE in use for port 1~8
Power consumption	Max.115 watts AC 100-240V, 50/60Hz
Power over Ethernet	
PoE standard	IEEE 802.3af / at PoE / PSE
PoE power supply type	End span
PoE power output	Per port 51V DC Max 40 watts
Power pin assignment	1/2(+), 3/6(-)
PoE power budget	130 watts maximum
PoE Ability	Number of PD @ 7 watts 8 Number of PD @ 15.4 watts 8 Number of PD @ 30.8 watts 4
Layer 2 function	
Basic management interfaces	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 Bandwidth control on each port Power saving mode control
Port status	Display each port's speed duplex mode, link status, flow control status, auto negotiation status, trunk status
Port mirroring	TX /RX / both Many to 1 monitor
VLAN	802.1Q tagged based VLAN, up to 64 VLAN groups Q-in Q tunneling Private VLAN edge (PVE) MAC based VLAN Protocol based VLAN Voice VLAN Up to 10 VLAN groups, out of 160 VLAN IDs

* Product specifications are subject to change without further notice