



WolfPack 48-Port POE Ethernet Switch

PART NUMBER: HDTV-IPM-10000SW-48P

DESCRIPTION



Input Voltage: AC 100-240V 50/60Hz

Operating Temperature: -10°C ~ +50°C

Thermal Methods: Fancooling

Certification: RoHS, FCC, CE

ESD: 8KV-15KV

MTBF: 100,000 hours

The HDTV-IPM-10000SW-48P is a 48-Port Ethernet L3 PoE Switch is equipped with 48x 10/100/1000Mbps adaptive RJ45 ports, 6x10Gigabit SFP+ uplink ports. Each RJ45 port supports MDI/MDIX and wire speed forwarding functions. Ports 1-16 support IEEE802.3AF/AT standard PoE power supply. It can as Power over Ethernet (PoE) devices, automatically detecting and recognizing standard-compliant powered devices, and powering them through the Ethernet cable. The switch adopts store and forward switching, combined with QoS technology, to ensure effective bandwidth allocation to each port, providing stable and reliable power and data transmission for high-power AP, network cameras, PTZ cameras, PoE lighting and other security surveillance equipment.

PRODUCT PARAMETERS

Provider Mode Ports

Fixed port	6x10GBase-X + 48x10/100/1000 Base-T
Management Port	Support console
Power interface	AC100-240Vtriangleinterface
LEDIndicators	PWR, SYS, Link/ACTLED

CableType &Transmission

Distance	
Twisted pair (TP):	0-100m (CAT5e,CAT6)
Monomodeopticalfiber	20/40/60/80/100KM
Multimode Fober (MMF):	550m

Network Topology

Ring topology	Support
Star topology	Support
Bus topology	Support
Tree Topology	Support
Hybrid topology	Support

Electrical Specifications

Input voltage	AC100-240V50/60Hz
Power consumption:	≤400W
Main board power	≤51W

PoE Support

PoE Port	1-48
PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2+;3,6-
PoE Management	Support

Layer 2 Switching

Switching capacity	216Gbps
Packet forwarding rate	160.7Mpps
MAC address table	32K
Buffer	16M
Forwarding delay	<10us
MDX/MIDX	Support
VLAN	3000
GVRP VLAN	Support
Protocol VLAN	Support
Voice VLAN	Support
Surveillance VLAN	Support
MAC VLAN	Support
Ether channel/ 802.3ad	Support
LACP	Support
Interface Speed	Support

Duplex Mode	Support
Flow Control	Support
Jumbo frame	Support
DHCP Client	Support
SNTP Client	Support
Port Statistics	Support
Protected Ports	Support
EEE	Support
Ethernet Ring Protection Switching	Support
LLDP	Support
LLDP 802.1 TLV	Support
MSTP / RSTP / STP	Support
STP BPDU Filter	Support
STP BPDU guard	Support
STP Port Fast	Support
IGMP Snooping	Support
MLD Snooping	Support
MVR	Support
DHCP interface priority IP binding	Support
Device Scanning	Support

Layer 3 Route	
IPV4 management	Support
IPV6 management	Support
Static Routes IPv4	32
Static Routes IPv6	32
ARP	Support
Loopback Interface	Support
DHCP Server	Support
DNS Server	Support
DNS Client	Support

Convergence

ACL	Support MAC Standard/Extended ACL Support IPV4 Standard/Extended ACL Support IPV6 Standard/Extended ACL
QoS	Support QoS Remarking Support Port Trust Support Port Speed Limit Support Egress Queue Speed Limit Support SP, WRR Support COS, DSCP, IP Priority

Management

User Management	Support
System Log	Support
Upgrade Firmware	Support
Configuration File Download/Upload	Support
SNMP	Support SNMP v1/v2/v3
WEB	Support
Console	Support
CLI	Support
Telnet/SSH	Support
RMON	Support

Security

Management channel configuration	Support
AAA	Support
802.1X	Support
MAC-Based	Support
WEB-Based	Support
DoS	Support
ARP	Support
DHCP Snooping	Support
IP Source Guard	Support

Port Security	Support
Protected Ports	Support
Storm control	Support

Equipment diagnosis	
Console log	Support
RMA log	Support
Flash log	Support
Port mirroring	Support 1:1 or 1:M
Ping	Support
Traceroute	Support
Copper port test	Support
SFP transceiver information	Support
UDLD protocol	Support

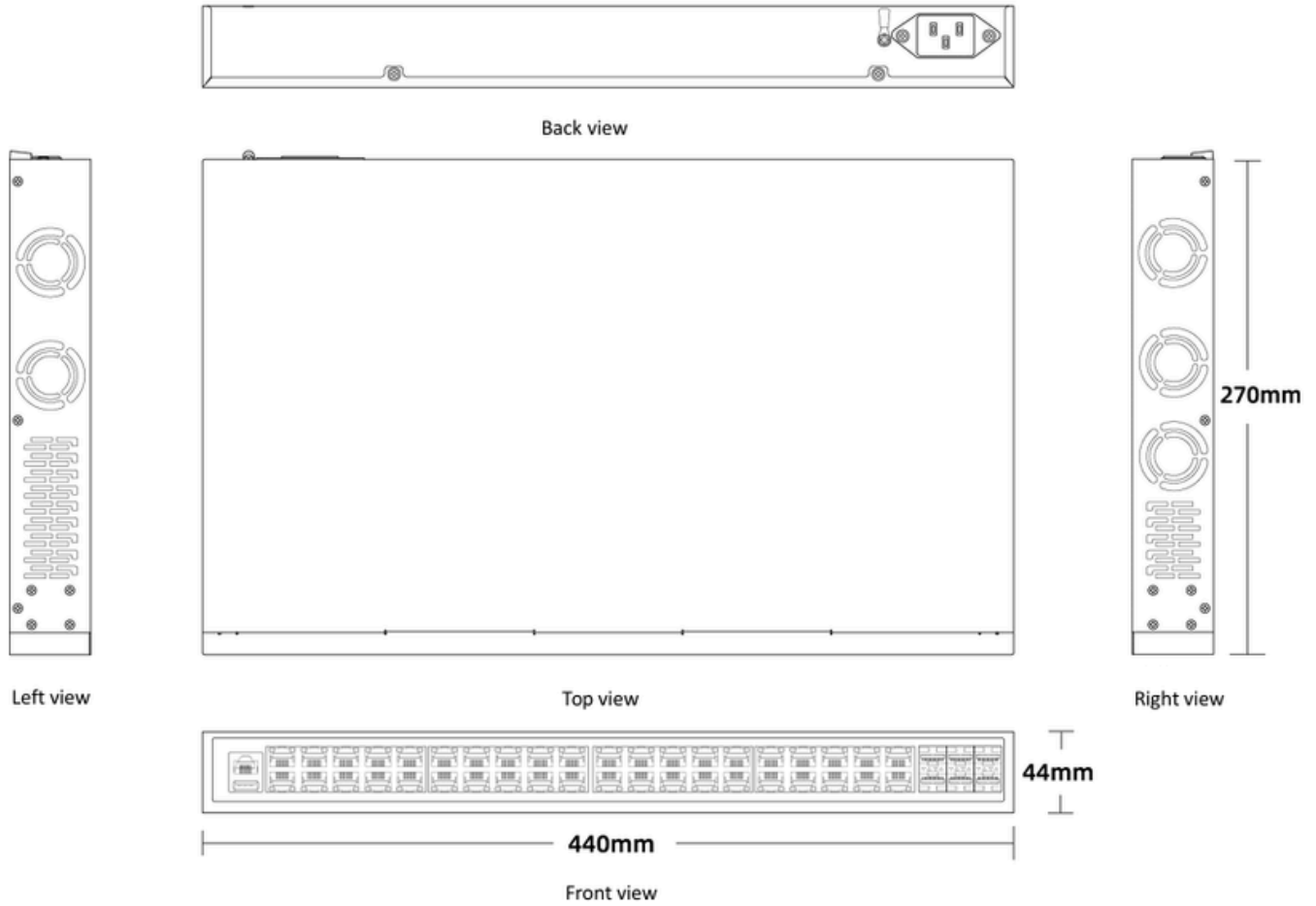
Environment	
Operate temperature	-10°C to 50°C
Storage temperature	-40°C to 85°C
Relative humidity	10% to 90% RH
Heat Dissipation Method	Fanless, natural cooling
MTBF	100, 000H

Mechanical Dimensions	
Dimensions (WxHxD):	440*270*44mm (LxWxH)
Installation Method	Rack mounted
Weight	4kg

EMC & INGRESS PROTECTION	
Surge protection of Power	Common mode 6KV; differential mode: 2KV
Surge protection of Ethernet	Common mode 6KV; differential mode: 2KV
Electrostatic discharge (ESD)	Contact 8KV, Air 15KV
Free fall	0.5m

EMC & INGRESS PROTECTION	
Surge protection of Power	Device, Powercord, Usermanual, Inspection Certificate, DustPlug

SIZE AND APPEARANCE





HDTV Supply, Inc

Inquiries and Aftersales Support

For any inquiries or assistance related to this product, including aftersales service, please contact our customer support team. We are committed to providing you with the highest level of service.

Contact Details:

- Phone: 833-WOLFPACK (833-965-3722)
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Our team is ready to assist with any questions or concerns you may have.