



# AW-IHT-1270

## Industrial Managed PoE Switch



L2 Managed Function · Gigabit Interface · -40°C to 75°C · Redundant Ring · Redundant Power

The AW-IHT-1270 Industrial Managed Switch is equipped with 8 port 10/100/1000Base-T and 4 Gigabit SFP slots that are PoE compliant. Engineered with hardened components and enclosed in a rugged case, the switch can operate in wide temperatures from -40°C to 75°C and excellent tolerance capability to high vibration and shock. As an Industrial switch, the AW-IHT-1270 suits your heavy industrial environments and yet contains all the standard features of other switches.

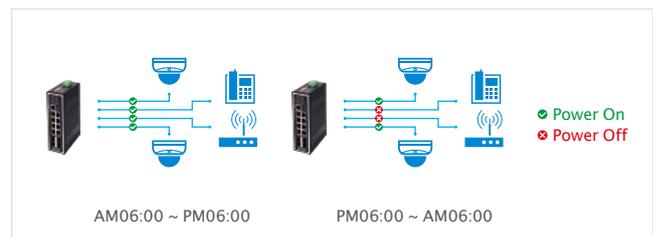
PoE function on 8 ports 10/100/1000 Base-T complies with IEEE 802.3at standards and allows to supply up to 30W per port for network attached devices such as WLAN Access Points, VoIP phones and IP surveillance cameras that can be powered by Ethernet connectivity. The AW-IHT-1270 eliminates the need for installing additional power outlets or adapters, thus network power planning is simplified and overall installation and maintenance costs are reduced. In addition, the Layer 2 switch offers a full complement of management functions to allow easy-to-use configuration and monitoring.

### Key Features

- Robust Switch Performance
- Intelligent PoE for Powered Devices
- Redundant Power System
- Efficient Network Monitoring and Proactive Capability
- Bandwidth Management to Prevent Unpredictable Network Status
- Redundant Ring and Fast Recovery for Surveillance System



PoE Alive-Checking

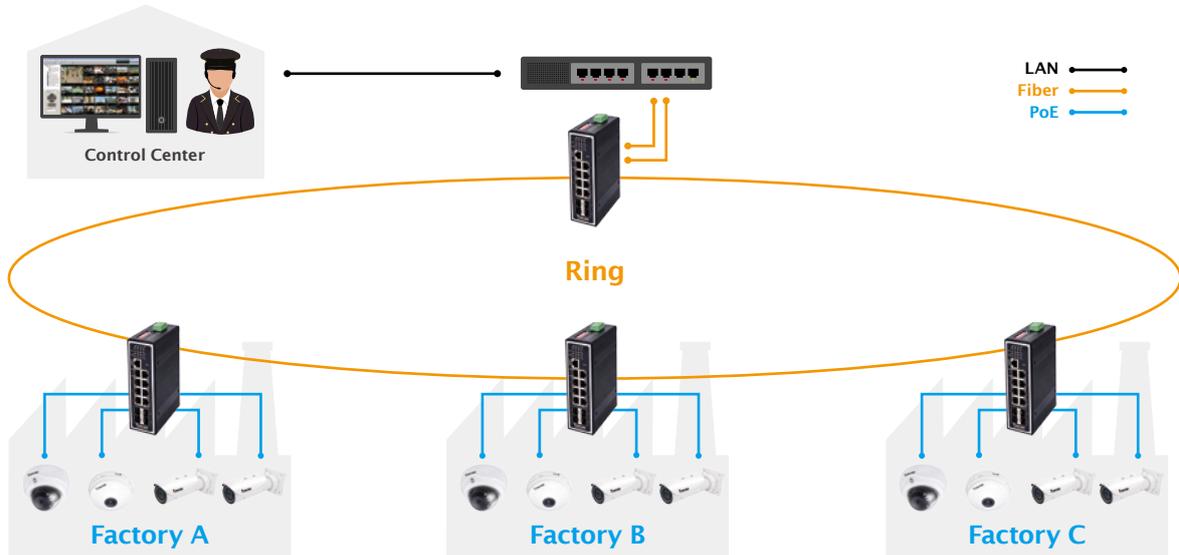


PoE Scheduling

# Applications

Redundant Ring: It incorporates, advanced Redundant Ring technologies, into customer's industrial automation and

surveillance network to enhance system reliability and uptime in harsh factory environments.



## Technical Specifications

### Standards

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
IEEE 802.3ad	Link Aggregation
IEEE 802.1d	STP
IEEE 802.1w	RSTP
IEEE 802.1p	CoS Prioritization
IEEE 802.1q	VLAN Tagging
IEEE 802.1x	Port Authentication
IEEE 802.3af	Power over Ethernet
IEEE 802.3at	Power over Ethernet Plus

### Network Management

Configuration	Command Line Interface, Telnet, Web GUI, SNMP v1/v2c/v3, Management VLAN, System log, Firmware Upgradable, Configuration Upload/Download
VLAN	IEEE 802.1Q, GARP/GVRP support, Port-based VLAN, 4K active VLAN support, Q-in-Q
Redundancy	Xpress Ring, Dual Homing, ERPS, STP/RSTP, LACP
Security	Access Control List, SSH, Port Security, 802.1x Port Authentication, DHCP snooping, MAC limitation
Traffic control	IGMP snooping/Querier, QoS, Flow Control, Abnormal Traffic Detection, Rate Limitation, Storm Control, Port Isolation, Loop Detection

Diagnostics	LED status, SNMP trap, E-mail alarm, SFP DDMI, Port Mirroring, Port Statistic, SNTP, RMON, Syslog
L3 Function	Static Routing
<b>Power</b>	
Input Voltage	Primary Inputs: 48V (48~57VDC) Redundant Inputs: 48V (48~57VDC)
Power Consumption	260W (with 8 PoE fully loaded)
Alarm Relay	One relay output with current carrying capacity of 1 A @ 24V DC
PoE Function	Per port up to 30W
<b>Interface</b>	
Ports	8 x 10/100/1000Base-T 4 x Gigabit SFP Slots 1 x Console Port (RJ-45 to RS-232)

### Mechanical and Environment

Housing	IP30 Protection
Mounting	DIN-Rail
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	10 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	860g
Dimension (WxHxD)	50x161.5x122.2mm (1.97x6.36x4.81inch)
DIP Switch	Ports/PWR/RPS Alarm setting
LED Panel	PWR, RPS, ALM, POST, PoE ports, 1000, 10/100

# Technical Specifications

## Standards and Certifications

**EMI** FCC Part 15 Subpart B Class A  
EN55022 : class A  
EN 55011 : 2009 class A  
EN 61000-6-4

**EMS** EN 55024  
EN 61000-6-2  
IEC/EN 61000-4-2 (ESD) : Level 4  
IEC/EN 61000-4-3 (RS) : Level 3  
IEC/EN 61000-4-4 (Burst) : Level 3  
IEC/EN 61000-4-5 (Surge) : Level 3  
IEC/EN 61000-4-6 (CS) : Level 3

## Approval & Test

**Shock Freefall** IEC 60068-2-27  
IEC 60068-2-32

**Vibration** IEC 60068-2-6

## Optional Accessories

**Power Supply** NDR-240-48 : 240W 48V DC Supply, -25°C~70°C  
NDR-480-48 : 480W 48V DC Supply, -25°C~70°C

## Industrial SFP Transceiver

SFP-1000-MM85-x5I  
1000Base-SX 1.25G, Multi-mode SFP, 500M  
SFP-1000-MM13-02I  
1000Base-SX 1.25G, Multi-mode, 3.3V, 1310nm, 2KM  
SFP-1000-SM13-10I  
1000Base-LX 1.25G, Single mode SFP, 10KM  
SFP-1000-SM13-40I  
1000Base-LX 1.25G, Single Mode SFP Module, 40KM

## Dimensions

