



AW-IHT-1271

12 Ports VIVOCAM L2+ Managed PoE Switch



Technical Specifications

Product Information	
Segment	L2 Managed PoE Switch
Product Description	Industrial 8xGbE PoE + 4xGbE SFP L2 Managed Switch
Port Configuration	
PoE Port Ethernet	8xGbE PoE
Uplink Port Ethernet	4xGbE SFP
Total Ports	12
Console port	1xRJ45
PoE Function	
PoE Port	8
Max. PoE Output Power	30W
PoE Power Budget	240W
PoE Standard	802.3 af/at
PoE Pin Assignment	1/2 (+), 3/6 (-)
Surge Protection	6KV
HW Performance	
Switching Bandwidth	24 Gbps
Buffer Memory	4.1Mb
Forwarding Rate	17.856 Mpps
MAC Address	8K
Jumbo Frames	9600 Bytes
Max. Power Consumption	250W

Surveillance Features	
Management	
Auto Search VIVOTEK Device	up to 1024 pcs
PoE Reboot	✓
Surveillance Device Management List	✓
DHCP Server Function	✓
VIVOTEK Device Account/Password Setting	✓
VIVOTEK Device Grouping Setting for VLAN	✓
VIVOTEK Device Name Edit	✓
VIVOTEK Camera/Video Server Reboot/Restore Default	✓
VIVOTEK Device Re-direct Link	✓
VIVOTEK Device On/Off Line Status	✓

E-Map View	
Topology View	✓
Floor View	✓
Google Map View	✓

Maintenance	
VIVOTEK Camera/Video Server Configuration File Export/Import	✓
Floor Image Management	✓
Export Surveillance Management Device List	✓
Cable Diagnostics	✓
Traffic Monitoring	✓

L2 Managed Features	
Spanning Tree	
IEEE802.1D (STP)	✓
IEEE802.1w (RSTP)	✓
IEEE802.1s (MSTP)	✓

Trunking	
IEEE802.1d (LACP)	✓
Static Aggregation	✓

VLAN	
802.1Q Tag-based VLAN	4096 VLAN IDs
Port-based VLAN	✓
Private VLAN Edge (PVE)	✓
GARP VLAN	✓
Q-in-Q (Double Tag)	✓
Protocol-based VLAN	✓
MAC-based VLAN	✓
Voice VLAN	✓
IP Subnet-based VLAN	✓
Multicast VLAN Registration (MVR)	✓
Rapid Ring	✓
IGMP Snooping (v1/v2/v3)	✓
DHCP Relay	✓
MLD v1/v2 Snooping	✓

QoS Features	
Hardware Queues	8
Classification	
Port Based	✓
802.1p	✓
Rate Limiting	
Ingress	✓
Egress	✓
Per Port	✓
Priority Queue Scheduling	
WRR	✓
DSCP & Class of Service	✓

Security	
IEEE802.1x RADIUS Authntication	✓
IEEE802.1x IGMP-RADIUS Based	✓
Secure Sockets Layer (SSL)	✓
Port Security	✓
IP Source Guard	✓
Storm Control	✓

Layer 2 Isolation Private VLAN Edge (PVE)	✓
RADIUS/TACACS+	✓
Loop Detection	✓
DHCP Snooping	✓
ACLs	
Up to 384 Entries	✓
Source and Destination MAC, VLAN ID or IP Address, Protocol, Port	✓
(DSCP) / IP Precedence	✓
TCP/ UDP Source and Destination Ports	✓
802.1p Priority	✓
ICMP Packets	✓
Ethernet Type	✓
TCP Flag	✓

Management	
SNMP (v1, v2c, v3)	✓
RMON (1,2,3 & 9 groups)	✓
DHCP Server	✓
Port Mirroring	✓
UPnP	✓
LLDP (IEEE802.1ab)	✓
LLDP-MED	✓
S-Flow	✓
Firmware Upgrade	✓
NTP	✓

PoE Management	
PoE On/Off Control	✓
PoE Alive Checking for PD	✓
PoE Scheduling	✓
Power Delay	✓
Non-Stop PoE	✓
Extended PoE Mode (up to 250m/10mbps)	✓

Environmental Specifications	
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5% ~ 90% Non-Condensing
Mechanical Specifications	
Dimensions	62(W) x 135(H) x 130(D) mm
Weight	0.68 kg
Power Source	
Power Input	PW1: 48 ~ 57VDC PW2: 48 ~ 57VDC
Certifications	
Types	CE,FCC,LVD,VCCI
Included Accessories	
Content	QIG, Terminal Block, DIN Rail Bracket, Console Cable