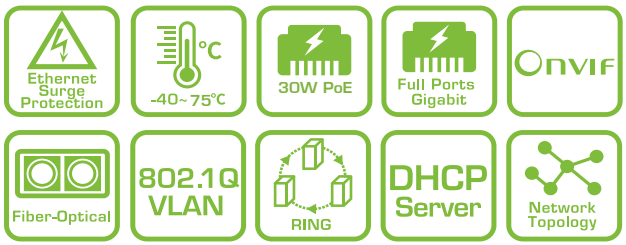
D62-041-30-DC

Industrial L2 PRO 4-Port Gigabit PoE+ Switch with 12V/24VDC Output, Digital Input/Output, 12-48VDC Input





The D62-041-30-DC is an industrial-grade L2 PRO PoE switch designed to deliver reliable power and data in harsh environments. Featuring 6KV PoE surge protection and a wide operating temperature range of -40°C to 75°C, this switch ensures durability and resilience, making it ideal for outdoor applications such as powering IP cameras, wireless access points, and various industrial devices.

As Power Sourcing Equipment (PSE), this switch provides a maximum PoE output of 30W per port, ensuring effective power delivery to connected devices. Additionally, it includes 12V/24V DC output ports, allowing it to power non-PoE devices and enhancing deployment flexibility.

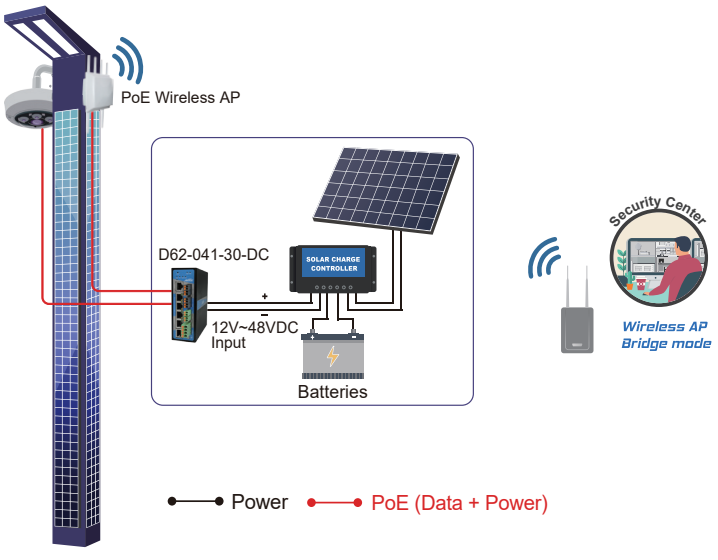
Optimized for IP video surveillance applications, the D62-041-30-DC incorporates an intuitive web-based user interface, NTS (Network Topology System), that simplifies configuration and network management. The interface supports features such as automatic device discovery, a real-time graphical overview of the network, PoE reboot, cable diagnostics, and PoE configuration, all designed to streamline operations.

With its rugged design and advanced features, the D62-041-30-DC is the ideal solution for powering and managing PoE networks in industrial and surveillance scenarios.

Features

- Layer 2 Switch
  - 802.1d (STP), 802.1w (RSTP), 802.1s (MSTP)
  - Loop protection
  - SNMP v1/v2c/v3
  - QoS
  - VLAN
  - Ethernet cable length measurement
  - DHCP Server
- Network Topology System
  - Automatic discovery for ONVIF camera
  - Generates camera topology map automatically
  - Cable diagnostic & reboot camera remotely
  - PoE management
  - Topology view / Floor view / Google map
  - Monitor / Configure / Manage ONVIF camera thru web
- Operating temperature between -40°C and 75°C
- Compliant IEEE802.3at 30W per port
- 30W at PoE per port
- 12V / 24V DC output ports
- Supports 10/100/1000Mbps data rates
- 6KV PoE surge protection
- IEEE 802.3az Energy Efficient Ethernet standard for green power

Applications



IP Camera Controller Features

Device List

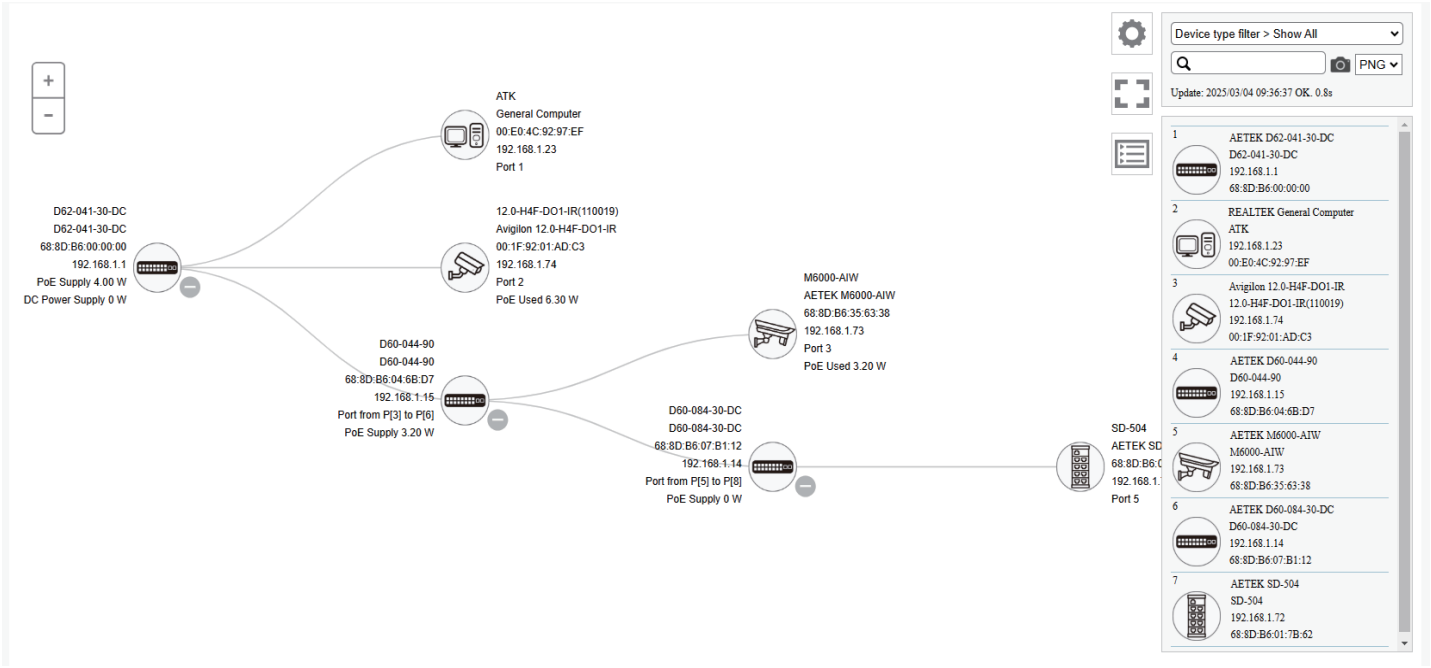
Show 10 entries Search:

Status	Device Type	Model Name	Device Name	MAC	IP Address
Online	PoESW	H60-084-30-250	H60-8p @ 203 name	68:8D:B6:00:CB:00	192.168.10.203
Online	PoESW	H60-084-30-250	H60-8p @ 209 name	68:8D:B6:00:D1:00	192.168.10.209
Online	IPMX	M6000-AIW	M6000-AIW	68:8D:B6:01:E1:B1	192.168.10.165
Online	IP Camera	SNC-VB635	Sony	D8:D4:3C:DD:F5:C7	192.168.10.122
Online	IP Camera	WV-S1131	Panasonic_WV-S1131	BC:C3:42:71:79:D0	192.168.10.104
Online	IPSG	SD-504	SD-504	68:8D:B6:00:00:01	192.168.10.108
Online	PC	General Computer	FC2564	00:50:56:2D:FA:AC	192.168.10.201
Online	Others	Unknown model	Unknown name	04:D4:C4:2C:B5:EC	192.168.10.1
Online	Others	Unknown model	Unknown name	94:C6:91:5F:9E:EA	192.168.10.180
Online	PC	General Computer	MIS-TEMP-NB4	A0:A8:CD:26:FE:FD	192.168.10.192

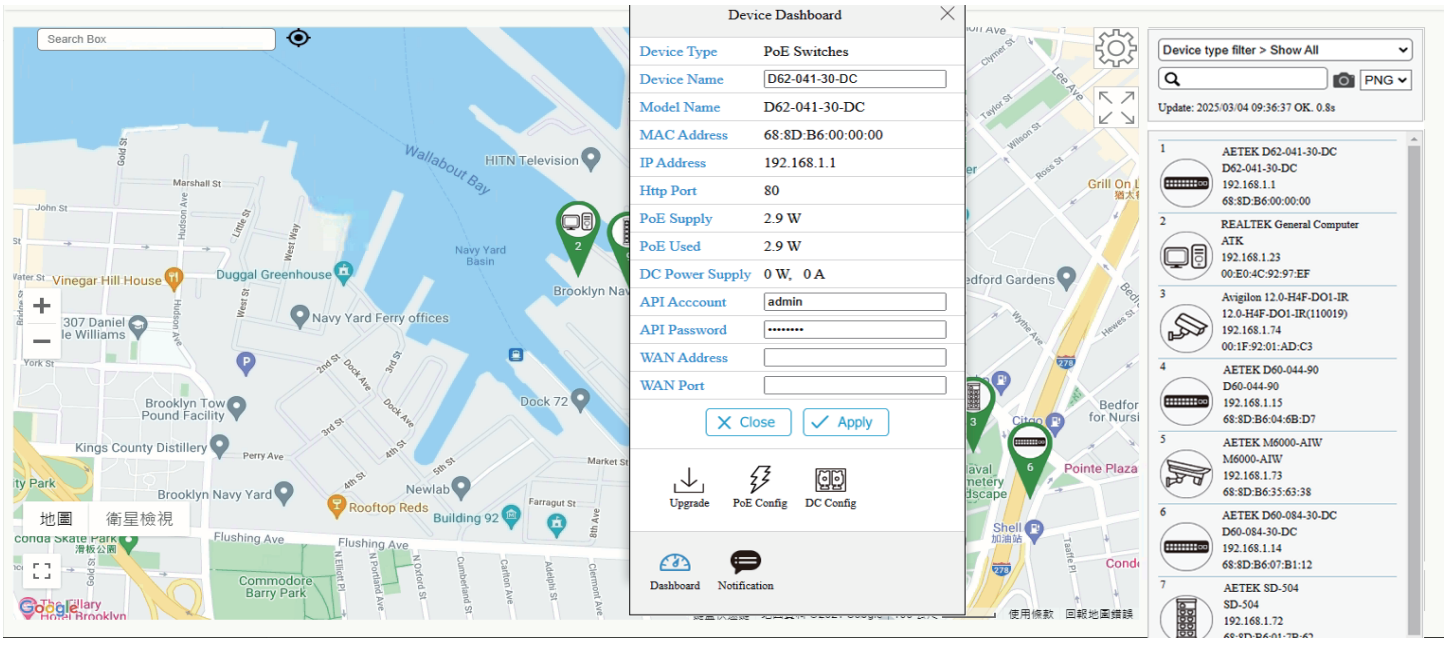
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Edit

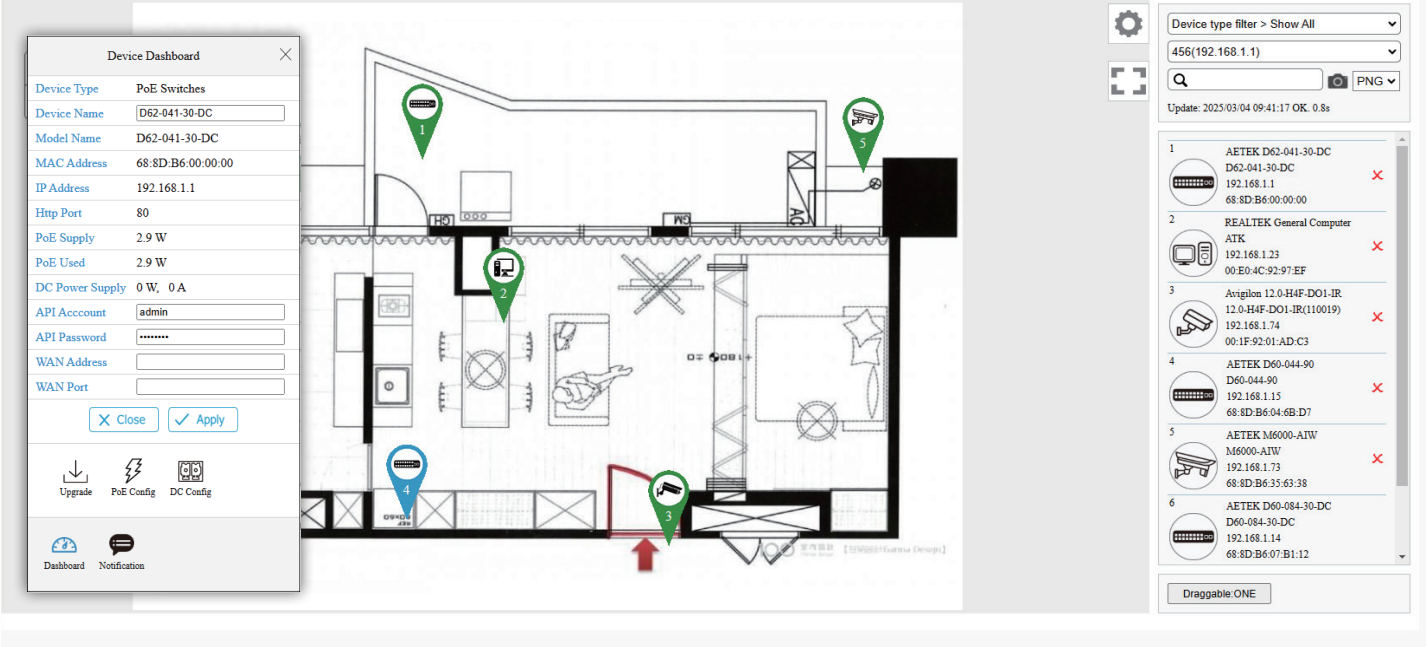
Topology View



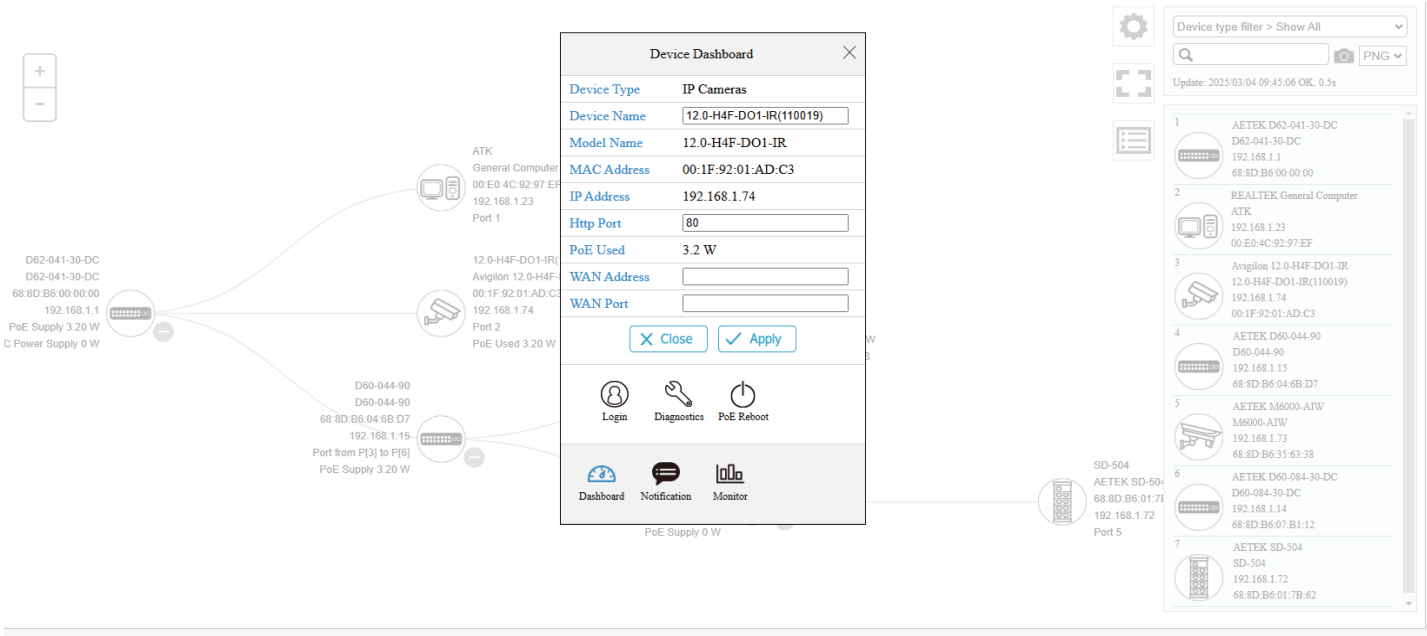
Google Map View



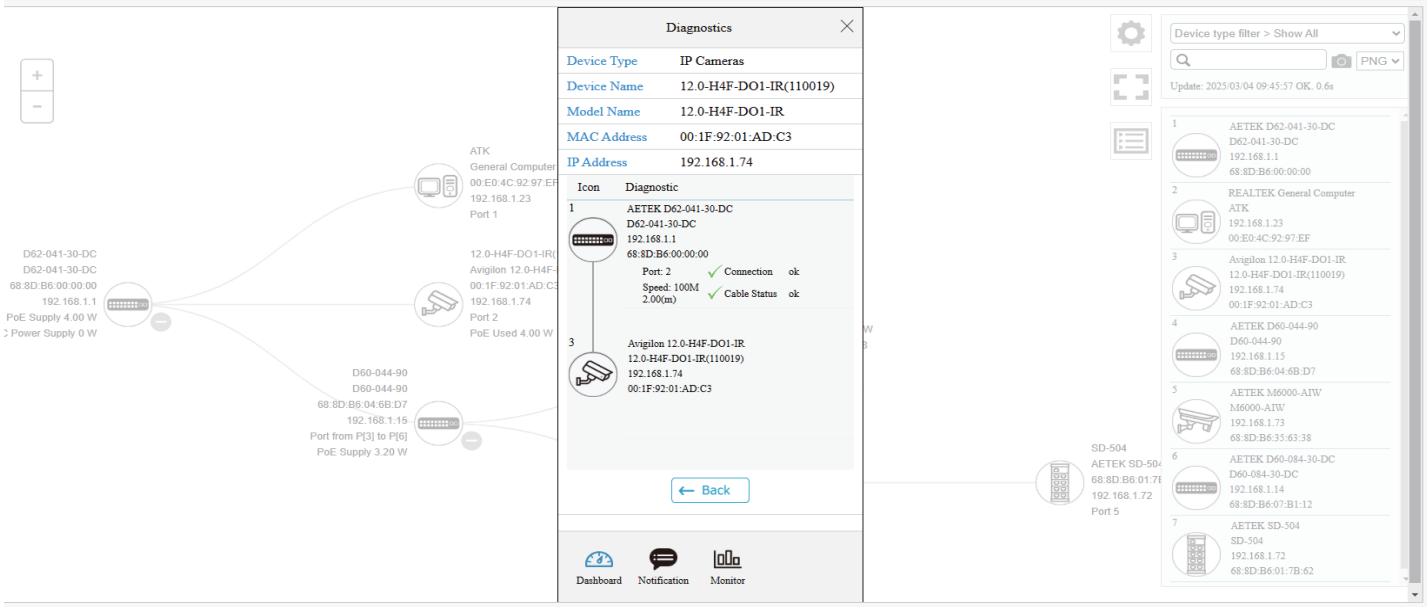
Floor Map View



Device Dashboard



Cable Diagnostics



PoE Features

- **IEEE802.3at (PoE+ 30W)**
- **Max. allowed 30W**
- **Port status table**

PoE Port Configuration

Local Port	PD Class	Power Used	Current Used	Priority	Port Status
1	-	0.00 [W]	0 [mA]	high	No PD detected
2	-	0.00 [W]	0 [mA]	high	No PD detected
3	-	0.00 [W]	0 [mA]	high	No PD detected
4	class0	2.65 [W]	50 [mA]	high	on
5	-	0.00 [W]	0 [mA]	high	No PD detected
6	-	0.00 [W]	0 [mA]	high	No PD detected
7	-	0.00 [W]	0 [mA]	high	No PD detected
8	-	0.00 [W]	0 [mA]	high	No PD detected
Total		2.00 [W]			

Apply Refresh

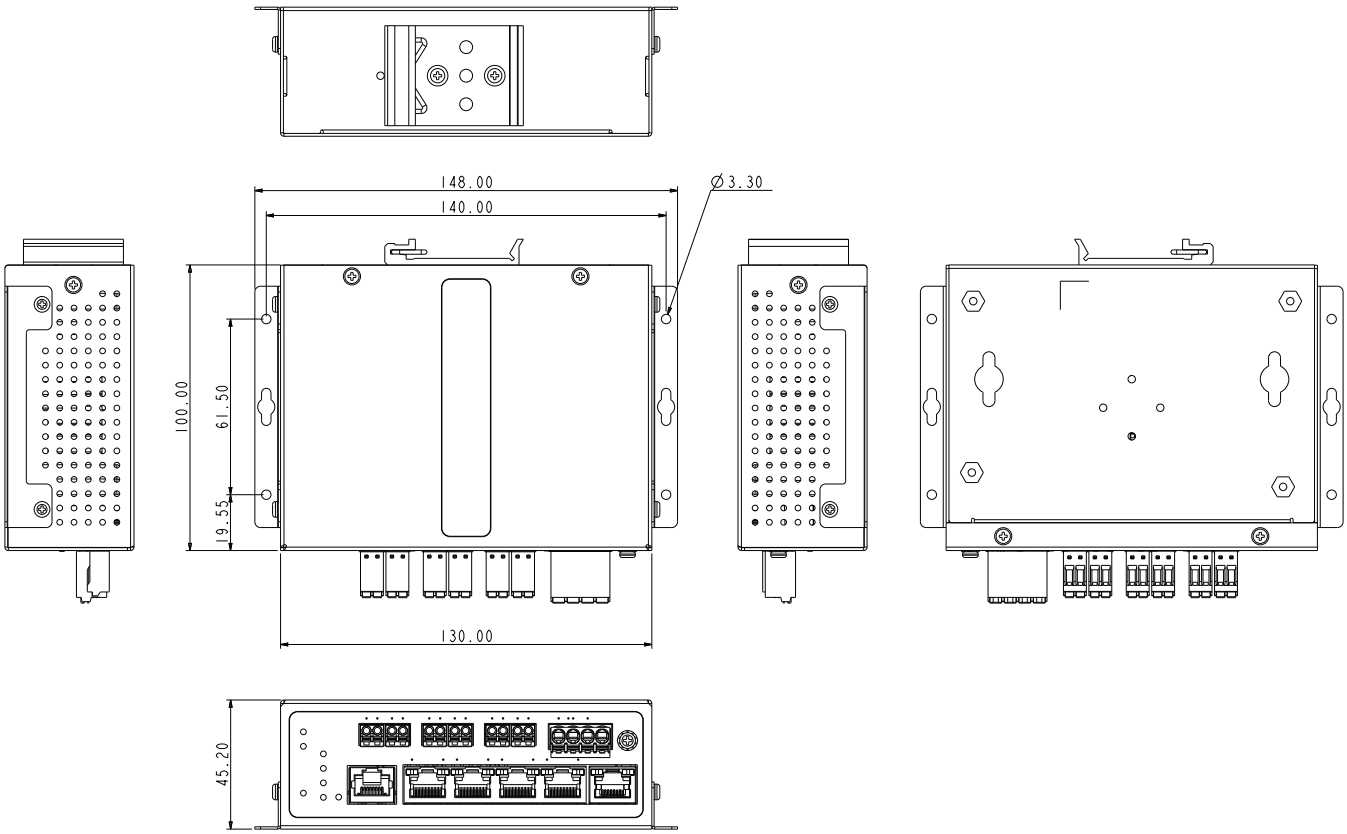
Specifications - Software

PoE Management	
Port Configuration	Supports per port PoE configuration function
PoE Scheduling	Supports per port PoE scheduling to turn on/off the PoE devices (PDs).
Auto-checking	Check the link status of PDs. Reboot PDs if there is no responses
Power Delay	The switch provides power to the PDs based on delay time when PoE switch boots up, in order to protect switch from misuse of the PDs.
IP Surveillance Graphical User Interface Specifications	
Automatic Discovery	Discover IP cameras complying ONVIF automatically
Topology View	Generate Topology maps to manage IP cameras
Floor view	It's easy to drag and drop PoE devices and help you to build smart workforces
Map view	Enhance efficiency to drag and drop devices and monitor surroundings on google map
Traffic Monitoring	Comprehensive chart to show traffic status
PoE Management	Reboot IP camera, Scheduling PoE on/off, alive checking, Power delay as PoE switch boots up, PoE configuration
Layer 2 Switching Specifications	
Spanning Tree Protocol	MAC Bridges Standard Spanning Tree (STP) 802.1d, Rapid Spanning Tree (RSTP) 802.1w, Multiple Spanning Tree (MSTP) 802.1s
IP/Mac Port Trunking	Link Aggregation Control Protocol (LACP) IEEE 802.3ad , Static aggregation.
VLAN	Supports up to 4K VLANs simultaneously (out of 4096 VLAN IDs), Port-based VLAN, 802.1Q tag-based VLAN
IGMP v1/v2 Snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters.
Layer 3 Switching Specifications	
DHCP Server	Assign IP to DHCP clients
Security	
IEEE 802.1X	IEEE802.1X: RADIUS authentication, authorization, MD5 hash, guest VLAN, single/multiple host mode and single/multiple sessions, Dynamic VLAN assignment
Port Security	Locks MAC addresses to ports, and limits the number of learned MAC address
Storm Control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
Loop Protection	To prevent unknown unicast, broadcast and multicast loops in Layer 2 switching configurations.
RADIUS/ TACACS+	Supports RADIUS and TACACS+ authentication. Switch as a client
QoS	
Classification	Port based, 802.1p VLAN priority based
Bandwidth Control	Ingress policer, Egress shaping and rate control, Per port
Management software	
Port Mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer
IEEE 802.1ab (LLDP)	Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab local area network
Web GUI Interface	Built-in switch configuration utility for browser-based device configuration
SNMP	SNMP version1, 2c, 3
Flow Control	The IEEE 802.3x standard for monitoring high speed switched networks. It gives complete visibility into the use of networks enabling performance optimization, accounting/billing for usage, and defense against security threats
Firmware Upgrade	Web browser upgrade HTTP and TFTP
NTP	Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
Other Management	System, HTTP, DHCP Client, Cable Diagnostics, Syslog, IPV4/IPV6 Management, SSH, Telnet

Specifications - Hardware

	D62-041-30-DC
Software function: NTS(Monitoring and management of surveillance)	
NTS Edge	support
NTS Server	support
Networking	
Total Gigabit Ethernet Ports	5
Gigabit Ethernet 802.3af/at PoE Ports	4
Gigabit Ethernet RJ45 Ports	1
Forwarding Capacity	7.44Mpps
Mac Table	8K
Jumbo Frames	9,216 Bytes
Switching Capacity	10 Gbps
Power	
Input Power	Dual 12-48V DC
Output Power per PoE Port	PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W)
Output PoE Power Pin Assignment	12(+), 36(-)
Output Power per DC Port	2 x 12V DC@2A 2 x 24V DC@1A
Standby Power Consumption	12V DC: 2.04W 24V DC: 2.16W 48V DC: 2.88W
Total Output Power Budget	12V DC: 80W 24-48V DC: 120W
Power Efficiency	12V DC: 90.95% 24V DC: 94.96% 48V DC: 97.44%
ESD	Contact ±6 KV, Air ±8 KV
Surge Protection per PoE Port	Online Common mode : ±6 KV
Surge Protection for DC Power Output	Differential mode : ±1 KV
Surge Protection for DC Power Input	Differential mode : ±1 KV
Surge Protection for DI/DO Port	Differential mode : ±1 KV
Mechanical	
Dimensions (W x D x H)	45.2 x 99.9 x 130 mm (1.8 x 4.0 x 5.1 in)
Weight	1.01 kg (2.23 lb)
DI	Dry Contact: Logic level 1: Close to GND Logic level 0: Open
DO	24V DC Max (100mA)
Console	RJ45
Cooling Fan	Fanless
Mounting	Din-Rail / Wall Mount
Environmental limits	
IP Rating / IK Rating	IP30
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing
Regulatory/ Approvals	
EMC	CE, FCC, VCCI, C-Tick
Safety	IEC62368-1, UL60950-1
Surge	EN61000-4-5
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-31
Vibration	IEC 60068-2-6
MTBF	>50000 hours
Optional Accessories	
Industrial Power Supply	DRL-48V120W1EN : 48V/120W / DRL-48V240W1EN : 48V/240W / DRL-48V480W1EN : 48V/480W
SFP Module	SFP Module Model Table
Junction Box	JB-200

Dimensions



Optional Accessories

SFP Modules



SFP-ISX-X5
Industrial Gigabit SFP Transceiver
- MMF
- 0.5 km
- -40°C ~85°C



SFP-ISX-02
Industrial Gigabit SFP Transceiver
- MMF
- 2 km
- -40°C ~85°C



SFP-ILX-10
Industrial Gigabit SFP Transceiver
- SMF
- 10 km
- -40°C ~85°C



SFP-ILX-40
Industrial Gigabit SFP Transceiver
- SMF
- 40 km
- -40°C ~85°C

Industrial Power Supply



DRL-48V120W1EN
Indoor Industrial Din Rail Power Supply, 48V/120W



DRL-48V240W1EN
Indoor Industrial Din Rail Power Supply, 48V/240W



DRL-48V480W1EN
Indoor Industrial Din Rail Power Supply, 48V/480W

Pole Mount

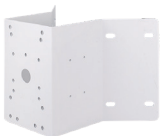


AT-100
Pole Mount Adapter



AT-101
Pole Mount Adapter

Corner Mount



AT-200
Corner Mount Adapter

Jounction Box



JB-200
Junction Box

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