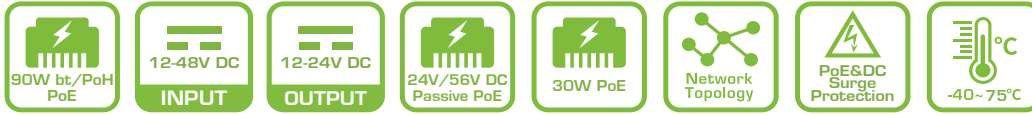


# D62-084-MX-DCP

Industrial L2 PRO 4-Port Gigabit bt/PoH PoE, 2-Port Gigabit at PoE, Adjustable 24V/56V DC Passive PoE Switch with 12V/24V DC Output, 12-48V DC Input



The D62-084-MX-DCP is an industrial-grade L2 PRO PoE switch, delivering 6kV PoE surge protection and operating reliably in extreme temperatures from -40°C to 75°C for demanding environments. With support for 12–48VDC input, it provides IEEE 802.3bt/PoH (90W) and IEEE 802.3at (30W) outputs to power high-performance PoE devices such as PTZ and multi-sensor cameras, IP speakers, wireless APs, and more industrial applications.

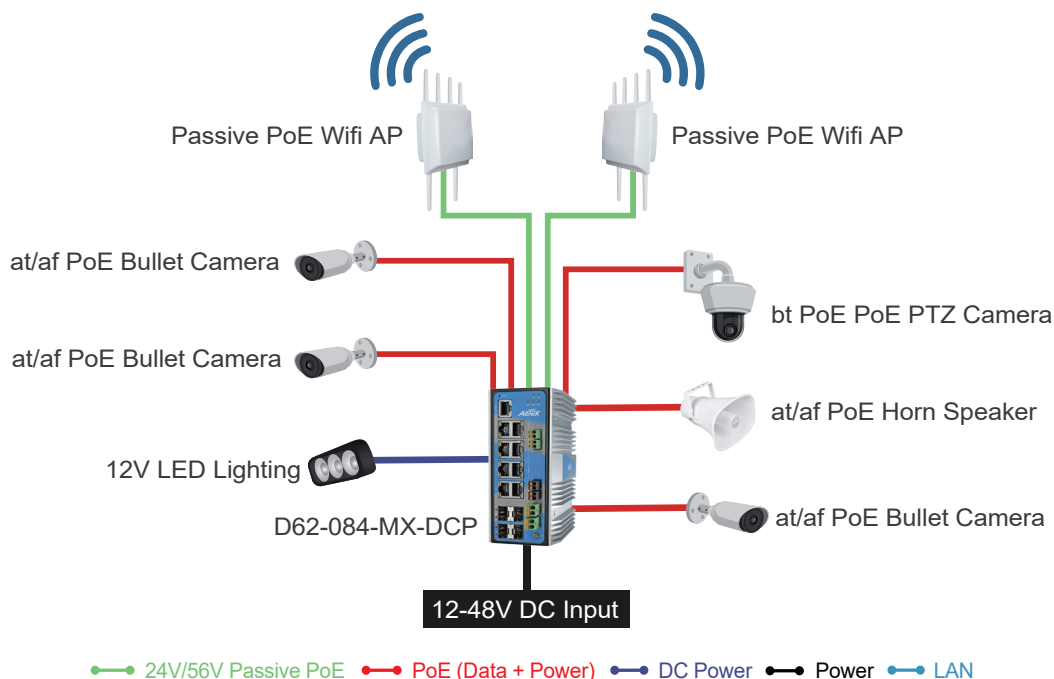
In addition, its adjustable 24V or 56V DC Passive PoE outputs provide flexible power options for IEEE 802.3af PoE devices and a variety of Passive PoE wireless nodes, reducing installation complexity and eliminating the need for external power adapters. Beyond PoE, this switch offers 12V and 24V DC outputs to support non-PoE network devices. Its multi-port Gigabit PoE capability ensures efficient power and data delivery over a single cable, while SFP transceiver slots provide flexible uplink connectivity for scalable network deployments.

The D62-084-MX-DCP also embedded with AETEK’s Network Topology System (NTS), an intuitive web-based interface, enabling features like automatic device discovery, real-time graphical topology view, PoE reboot, and cable diagnostics. Combined with its ruggedized design and advanced management tools, the D62-084-MX-DCP offers a reliable, flexible, and cost-effective solution for industrial and surveillance PoE networks.

## Features

- 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
- PoE output: 90W bt/PoH PoE (Port 1-4) and 30W at PoE (Port 5-6)
- 24V/56V 2-pair/4-pair Adjustable passive PoE output(Port 7-8)
- 12V / 24V DC output ports
- Flexible SFP transceiver ports for uplink
- Operating temperature between -40°C and 75°C
- 6KV PoE surge protection
- Thermal-efficient design ensure reliable performance at full load for the stated input levels:
  - Up to 100W @ 12V DC Input
  - Up to 200W @ 24V DC Input
  - Up to 400W @ 48V DC Input

## Applications



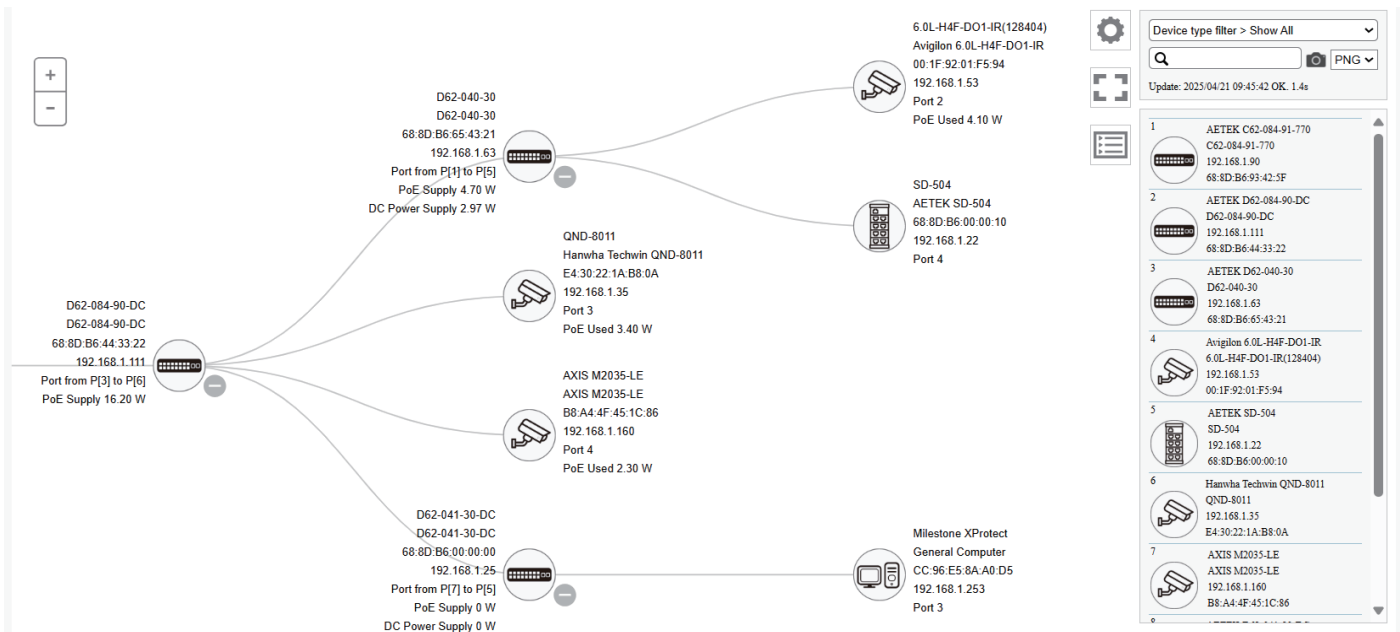
# Applications



●—● Power 
 ●—● PoE (Data + Power) 
 ●—● 12V/24V DC Power

## NTS (Network Topology System)

### Topology View



Google Map View

**Device Dashboard**

Device Type	PoE Switches
Device Name	D62-084-90-DC
Model Name	D62-084-90-DC
MAC Address	68:8D:B6:44:33:22
IP Address	192.168.1.111
Http Port	80
PoE Supply	19.6 W
PoE Used	19.6 W
API Account	admin
API Password	*****
WAN Address	
WAN Port	

**Device List**

- AETEK D62-084-90-DC  
D62-084-90-DC  
192.168.1.111  
68:8D:B6:44:33:22
- AETEK D62-040-30  
D62-040-30  
192.168.1.63  
68:8D:B6:65:43:21
- Avigilon 6.0L-H4F-DO1-IR  
6.0L-H4F-DO1-IR(128404)  
192.168.1.53  
00:1F:92:01:F5:94
- AETEK SD-504  
SD-504  
192.168.1.22  
68:8D:B6:00:00:10
- Hanwha Technin QND-8011  
QND-8011  
192.168.1.35  
E4:30:22:1A:B8:0A
- AXIS M2035-LE  
AXIS M2035-LE  
192.168.1.160  
B8:A4:4F:45:1C:86
- AETEK C62-084-91-770

Floor Map View

**Device Dashboard**

Device Type	PoE Switches
Device Name	D62-084-90-DC
Model Name	D62-084-90-DC
MAC Address	68:8D:B6:44:33:22
IP Address	192.168.1.111
Http Port	80
PoE Supply	19.6 W
PoE Used	19.6 W
API Account	admin
API Password	*****
WAN Address	
WAN Port	

**Device List**

- AETEK D62-084-90-DC  
D62-084-90-DC  
192.168.1.111  
68:8D:B6:44:33:22
- AETEK D62-040-30  
D62-040-30  
192.168.1.63  
68:8D:B6:65:43:21
- Avigilon 6.0L-H4F-DO1-IR  
6.0L-H4F-DO1-IR(128404)  
192.168.1.53  
00:1F:92:01:F5:94
- AETEK SD-504  
SD-504  
192.168.1.22  
68:8D:B6:00:00:10
- Hanwha Technin QND-8011  
QND-8011  
192.168.1.35  
E4:30:22:1A:B8:0A
- AXIS M2035-LE  
AXIS M2035-LE  
192.168.1.160  
B8:A4:4F:45:1C:86
- AETEK C62-084-91-770

Device Dashboard

**Device Dashboard**

Device Type	IP Cameras
Device Name	QND-8011
Model Name	QND-8011
MAC Address	E4:30:22:1A:B8:0A
IP Address	192.168.1.35
Http Port	80
PoE Used	3.9 W
WAN Address	
WAN Port	

**Device List**

- AETEK C62-084-91-770  
C62-084-91-770  
192.168.1.90  
68:8D:B6:93:42:5F
- AETEK D62-084-90-DC  
D62-084-90-DC  
192.168.1.111  
68:8D:B6:44:33:22
- AETEK D62-040-30  
D62-040-30  
192.168.1.63  
68:8D:B6:65:43:21
- Avigilon 6.0L-H4F-DO1-IR  
6.0L-H4F-DO1-IR(128404)  
192.168.1.53  
00:1F:92:01:F5:94
- AETEK SD-504  
SD-504  
192.168.1.22  
68:8D:B6:00:00:10
- Hanwha Technin QND-8011  
QND-8011  
192.168.1.35  
E4:30:22:1A:B8:0A
- AXIS M2035-LE  
AXIS M2035-LE  
192.168.1.160  
B8:A4:4F:45:1C:86

**Network Topology:**

- D62-084-90-DC (192.168.1.111) - PoE Supply 16.20 W
- D62-040-30 (192.168.1.63) - PoE Supply 4.70 W
- D62-041-30-DC (192.168.1.25) - PoE Supply 0 W
- Avigilon 6.0L-H4F-DO1-IR (192.168.1.53) - PoE Used 4.30 W
- SD-504 (192.168.1.22) - PoE Used 3.9 W
- Milestone XProtect General Computer (192.168.1.253) - PoE Used 0 W

## Cable Diagnostics

Network Topology Diagram:

- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)

### Diagnostics

**Device Type:** IP Cameras

**Device Name:** QND-8011

**Model Name:** QND-8011

**MAC Address:** E4:30:22:1A:B8:0A

**IP Address:** 192.168.1.35

Icon	Diagnostic
	1 AETEK C62-084-91-770 C62-084-91-770 192.168.1.90 68:8D:B6:93:42:5F Port 3 <span style="color: green;">✔</span> Connection ok Speed: 1G 13.00(m) <span style="color: green;">✔</span> Cable Status ok
	2 AETEK D62-084-90-DC D62-084-90-DC 192.168.1.111 68:8D:B6:44:33:22 Port 3 <span style="color: green;">✔</span> Connection ok Speed: 100M 6.00(m) <span style="color: green;">✔</span> Cable Status ok
	6 Hamvha Techwin QND-8011 QND-8011 192.168.1.35 E4:30:22:1A:B8:0A

6.0L-H4F-DO1-IR(128404)  
Avigilon 6.0L-H4F-DO1-IR  
00:1F:92:01:F5:94  
192.168.1.53  
Port 2  
PoE Used 3.70 W

SD-504  
AETEK SD-504  
68:8D:B6:00:00:10  
192.168.1.22  
Port 4

Milestone XProtect  
General Computer  
CC:96:E5:8A:A0:D5  
192.168.1.253  
Port 3

Device List:

- AETEK C62-084-91-770 (C62-084-91-770, 192.168.1.90, 68:8D:B6:93:42:5F)
- AETEK D62-084-90-DC (D62-084-90-DC, 192.168.1.111, 68:8D:B6:44:33:22)
- AETEK D62-040-30 (D62-040-30, 192.168.1.63, 68:8D:B6:65:43:21)
- Avigilon 6.0L-H4F-DO1-IR (6.0L-H4F-DO1-IR(128404), 192.168.1.53, 00:1F:92:01:F5:94)
- AETEK SD-504 (SD-504, 192.168.1.22, 68:8D:B6:00:00:10)
- Hamvha Techwin QND-8011 (QND-8011, 192.168.1.35, E4:30:22:1A:B8:0A)
- AXIS M2035-LE (AXIS M2035-LE, 192.168.1.160, B8:A4:4F:45:1C:86)

## Device Throughput

Network Topology Diagram:

- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-040-30 (Port 1 to P[1] to P[5], PoE Supply 4.70 W, DC Power Supply 2.97 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)
- D62-041-30-DC (Port from P[7] to P[5], PoE Supply 0 W, DC Power Supply 0 W)

### Device Throughput

**Device Type:** IP Cameras

**Device Name:** QND-8011

**Model Name:** QND-8011

**MAC Address:** E4:30:22:1A:B8:0A

**IP Address:** 192.168.1.35

(TX Mb)

Max(Mb):  Min(Mb):

Action:  Count:

min error: 0, total: 0, max error: 0, total: 0

6.0L-H4F-DO1-IR(128404)  
Avigilon 6.0L-H4F-DO1-IR  
00:1F:92:01:F5:94  
192.168.1.53  
Port 2  
PoE Used 4.20 W

SD-504  
AETEK SD-504  
68:8D:B6:00:00:10  
192.168.1.22  
Port 4

Milestone XProtect  
General Computer  
CC:96:E5:8A:A0:D5  
192.168.1.253  
Port 3

Device List:

- AETEK C62-084-91-770 (C62-084-91-770, 192.168.1.90, 68:8D:B6:93:42:5F)
- AETEK D62-084-90-DC (D62-084-90-DC, 192.168.1.111, 68:8D:B6:44:33:22)
- AETEK D62-040-30 (D62-040-30, 192.168.1.63, 68:8D:B6:65:43:21)
- Avigilon 6.0L-H4F-DO1-IR (6.0L-H4F-DO1-IR(128404), 192.168.1.53, 00:1F:92:01:F5:94)
- AETEK SD-504 (SD-504, 192.168.1.22, 68:8D:B6:00:00:10)
- Hamvha Techwin QND-8011 (QND-8011, 192.168.1.35, E4:30:22:1A:B8:0A)
- AXIS M2035-LE (AXIS M2035-LE, 192.168.1.160, B8:A4:4F:45:1C:86)

## PoE Features

- IEEE802.3bt/at/af
- Max. allowed 90W
- 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
<b>Total</b>		<b>2.00 [W]</b>			

## 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

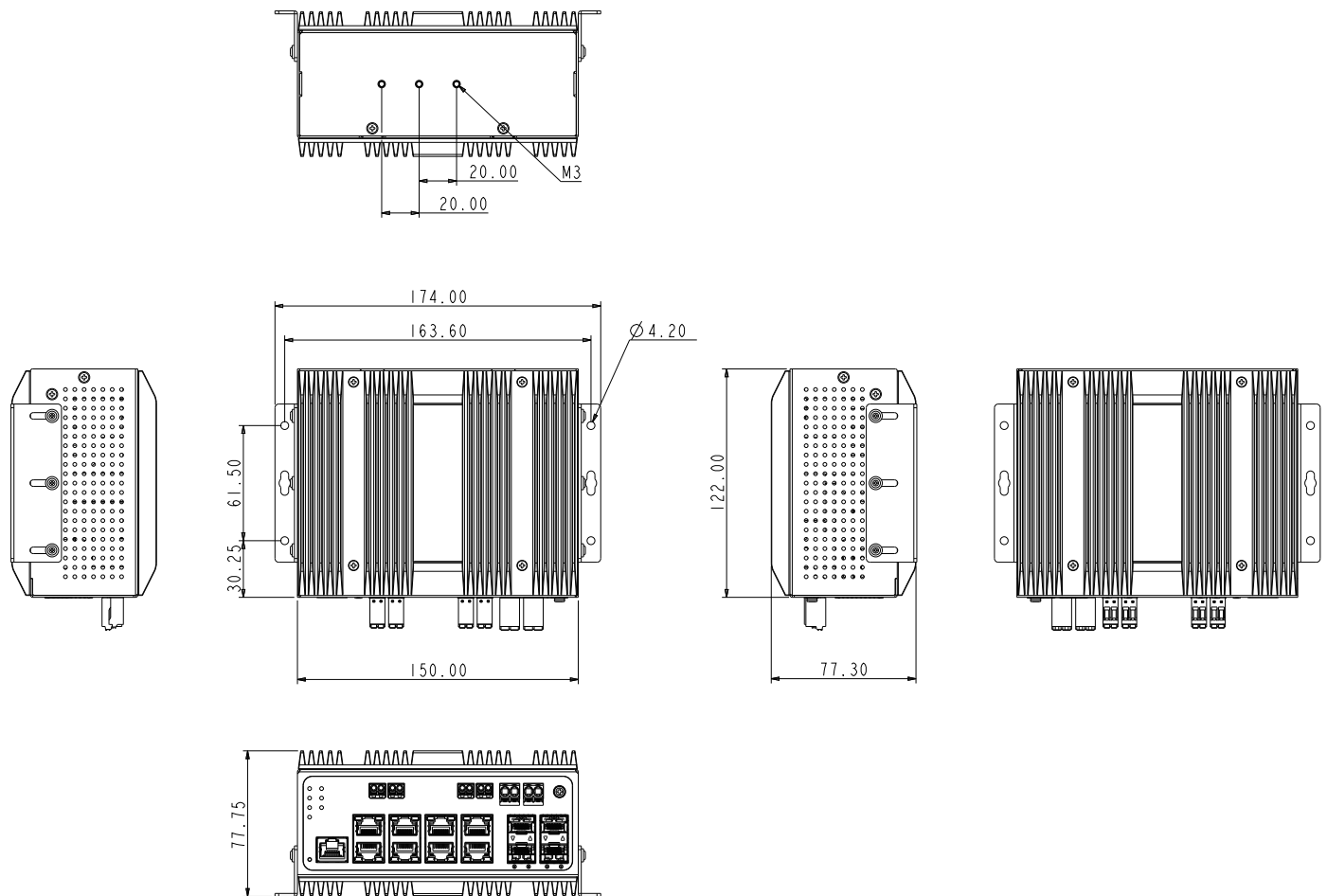
## Specifications - Software

	D62-084-MX-DCP
<b>Software function: NTS(Monitoring and management of surveillance)</b>	
NTS Edge	support
NTS Server	support
<b>Networking</b>	
Total Gigabit Ethernet Ports	12
Gigabit Ethernet 802.3af/at PoE Ports	2
Gigabit Ethernet 802.3af/at/bt/PoH PoE Ports	4
Gigabit Ethernet Passive PoE Ports (Adjustable 24V/56V DC Passive PoE or 802.3af PoE)	2
Gigabit Ethernet SFP Ports (100M/1G)	4
Forwarding Capacity	17.856Mpps
Mac Table	8K
Jumbo Frames	9,216 Bytes
Switching Capacity	24 Gbps
<b>Power</b>	
Input Power	Dual 12-48V DC
Output Power per PoE Port	(Port 1-4) PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W) PoE++ IEEE 802.3bt/PoH (Max. 90W) (Port 5-6) PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W)
Output PoE Power Pin Assignment	at: 12(+), 36(-) bt: 12(-), 36(+), 45(+), 78(-)
Adjustable output passive PoE or af PoE Port	(Port 7-8) 18W @ 2-pair 24V DC 36W @ 4-pair 24V DC 45W @ 2-pair 56V DC 90W @ 4-pair 56V DC PoE IEEE 802.3af (Max. 15.4W) PoE+ IEEE 802.3at (Max. 30W)
Output Passive PoE Power Pin Assignment	2-pair PoE: 45(+), 78(-) 4-pair PoE: 12(+), 36(-), 45(+), 78(-)
Output Power per DC Port	1 x 12V DC@2A 1 x 24V DC@1A
Standby Power Consumption	12V DC: 5.28W 24V DC: 5.76W 48V DC: 5.78W
Total Output Power Budget	12V DC: 100W 24V DC: 200W 48V DC: 400W
Power Efficiency	12V DC: 91.22% 24V DC: 95.41% 48V DC: 96.94%
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 : ±6 KV
<b>Mechanical</b>	
Dimensions (W x D x H)	77.3 x 122 x 150 mm (3.0 x 4.8 x 5.9 in)
Weight	1.84 kg (4.06 lb)
DI	Dry Contact: Logic level 1: Close to GND Logic level 0: Open
DO	24V DC/1A (Max)
Console	RJ45
Cooling Fan	Fanless
Mounting	Din-Rail / Wall Mount
<b>Environmental limits</b>	
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

## Specifications - Software

	D62-084-MX-DCP
<b>Regulatory/ Approvals</b>	
EMC	CE, FCC, VCCI, C-Tick
Surge	EN61000-4-5
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-31
Vibration	IEC 60068-2-6
MTBF	>50000 hours
<b>Optional Accessories</b>	
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

### SFP Modules



**SFP-ILX-80**  
Industrial Gigabit SFP Transceiver

- SMF
- 80 km
- -40°C ~85°C

### Industrial Power Supply



**DRL-48V120W1EN**  
Industrial Din-Rail Power Supply,  
48VDC, 120W, -30°C ~ 70°C



**DRL-48V240W1EN**  
Industrial Din-Rail Power Supply,  
48VDC, 240W, -30°C ~ 70°C



**DRL-48V480W1EN**  
Industrial Din-Rail Power Supply,  
48VDC, 480W, -30°C ~ 70°C

### Pole Mount



**AT-100**  
Pole Mount Adapter



**AT-101**  
Pole Mount Adapter



**AT-200**  
Corner Mount Adapter

### Junction Box



**JB-200**  
Junction Box