

Model	Description
D62-084-MX-DCP	4xGbE 90W PoE + 2xGbE 30W PoE + 2xGbE Passive PoE + 4xGbE SFP + 1x24V DC output + 1 x12V DC output Managed Switch

INTRODUCTION

The D62-084-MX-DCP is a 8 port 10/100/1000BaseT PoE switch capable of feeding 15.4/30W/90W (54Vmax. per port) power to Power over Ethernet (PoE) devices. It comes with another 4xGbE SFP ports.

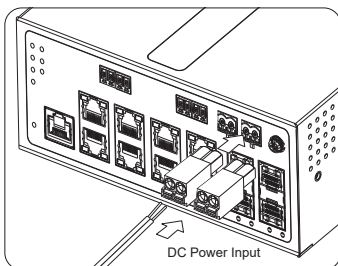
PACKAGE CONTENTS

* 1x PoE switch	* 1x Quick Installation Guide	* 2x 2-pin terminal block
* 1x DB9F-RJ45 console cable	* 1x DIN rail bracket + 1x Wall Mount bracket	* 4x 2-pin terminal block

⚠ IMPORTANT:

- To prevent potential damage, ensure that all 12V DC, 24V DC, and Digital Input/Output (DI/DO) devices are properly connected before applying or turning on the DC input power. Connecting these devices after the power is on may result in malfunction or damage.
- Install the converter in a ventilated and dry place that is free of electromagnetic source, vibration, moisture, and dust.
- Make sure the ventilation openings on the converter are not blocked.
- Use fiber optic cables and transceiver compliant with the following: Multi-mode: 50/125um, 62.5/125um, 850nm; Single-mode: 9/125um, 1310nm.
- DC input (12-48V DC). Follow the printed polarity for V+, V-, and Ground.
- Digital output (relay): ON/OFF, support support max. 24V DC/1A. Digital input: level 0(open), level 1(Close to GND).
- Ports 7 and 8 are disabled by default. These ports support passive PoE and 802.3at mode when enabled.

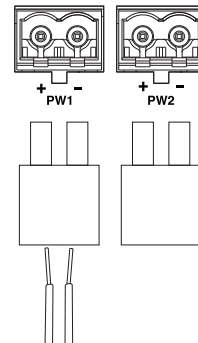
CONNECTION



- Pull out the 2x2-pin terminal block.
- Connect power wires to V+, and V-.
- Connect SFP transceivers to the fiber port.
- install the 2x2-pin terminal block.

DC Power Cable Spec.

Wire Size	12~24AWG
Wire Strip Length	10mm



7	Disabled
8	Disabled

AT

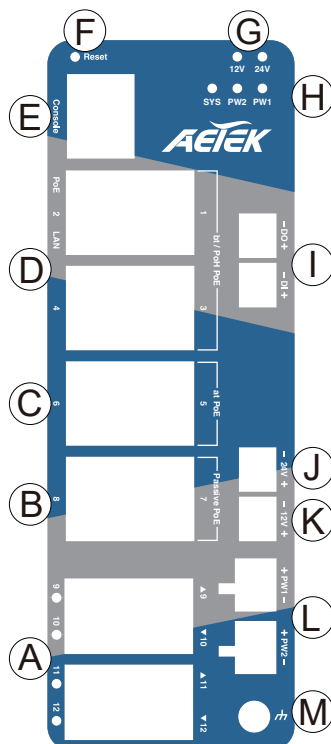
24V-2 pair

24V-4 pair

56V-2 pair

56V-4 pair

Apply



- (A) 100/1000 SFP ports
- (B) 10/100/1000 Passive PoE RJ45 ports
- (C) 10/100/1000 at PoE RJ45 ports
- (D) 10/100/1000 bt/poh PoE RJ45 ports
- (E) Console port
- (F) Reset button
- (G) 24V / 12V LED
- (H) Power2 / Power1 / SYS LED
- (I) DI / DO ports
- (J) 24V DC output ports
- (K) 12V DC output ports
- (L) 12~48V DC Input
- (M) GND

DEFAULTS	
IP Address	192.168.1.1
Subnet Mask	255.255.255.0
User Name	admin
Password	admin

Power LEDs

LED	Color	State	Description
Power1	Green	On	Powered on correctly.
		Off	Not receiving power from power1.
Power2	Green	On	Powered on correctly.
		Off	Not receiving power from power2.

Console Port Defaults

Baud rate	115200
Stop bits	1
Data bits	8
Parity	N
Flow control	none

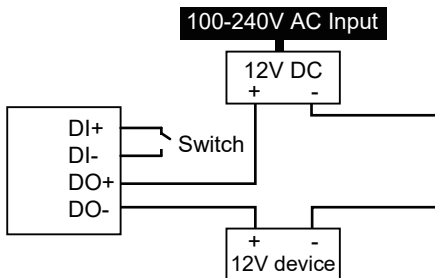
Port Status LEDs

LED	Color	State	Description
RJ45 Ports Up (PoE)	Amber	On	The port is enabled and supplying power to connected device.
		Off	The port has no active connection, or it is not connected to a PoE PD device. Otherwise, the port may have been disabled through the switch user interface.
RJ45 Ports Down (LAN)	Green	On	The port is enabled and established a link to connected device.
		Blinking	The port is transmitting/receiving packets.
		Off	The port has no active network connection, or it has no established link to connected device. Otherwise, the port may have been disabled through the switch user interface.
SFP Ports	Green	On	The port is enabled and supplying power to connected device.
		Blinking	The port is transmitting/receiving packets.
		Off	The port has no active network connection, or it has no established link to connected device. Otherwise, the port may have been disabled through the switch user interface.

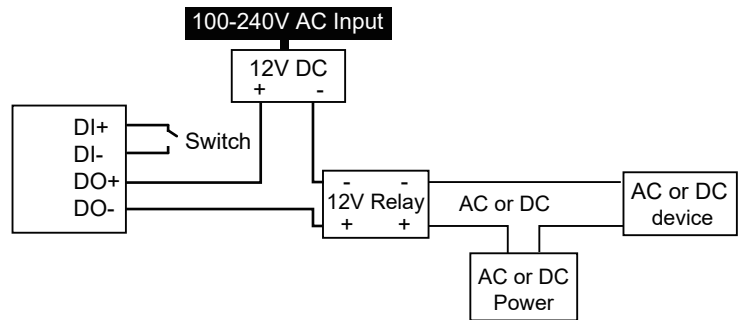
Reset button

Task	Method	SYS LED Behavior	Port Status LED Behavior
Reset	Press 2 ~ 7 seconds	Blinking Green	All LEDs Off.
Restore Defaults	Press 7 ~ 12 seconds	Blinking Green	All LEDs On.

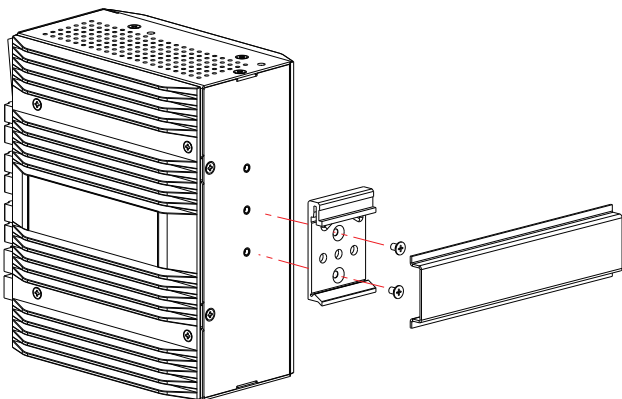
DI/DO Connection Diagram



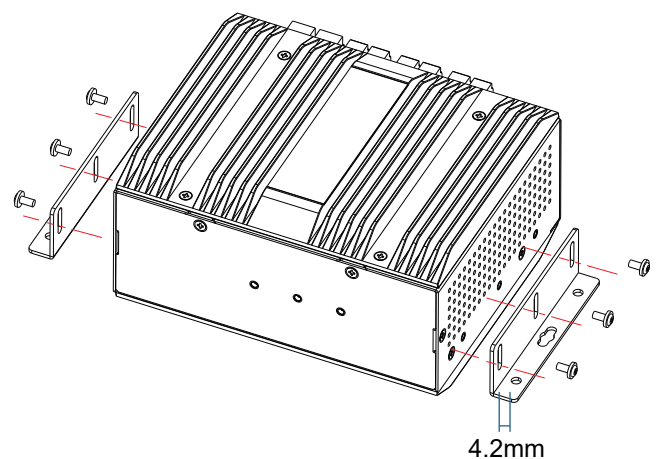
DI/DO Connection Diagram w/ AC or DC Relay



DIN Rail Installation

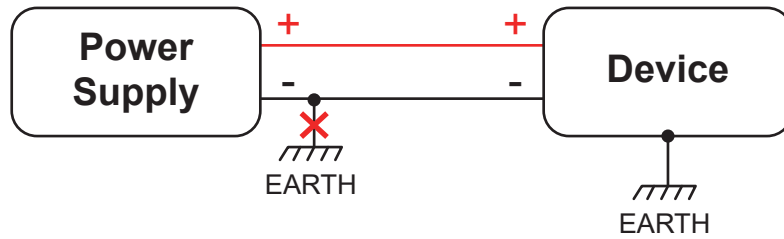


Wall Mount Installation



Ground loops

Do not connect the power supply negative or Battery negative terminal of our device to the chassis or earth exclusively. This connection could cause ground loops. For example, if the Battery negative and power supply negative terminal are connected to the chassis or earth, it forms a ground loop, therefore unwanted current could flow through a device PCB ground and may cause damage.



⚠ Power on

- ▶ Power on: First insert the power terminal of the power cable into the power port of the device, then plug in the power plug and power on. After the Switch is started, the Switch automatically initializes. If all port indicators are on and then off, the system is successfully reset, the power LED indicator will always stay on.
- ▶ Power off operation: Unplug the power plug first, and then remove the wiring part of the terminal. Please pay attention to the above operation sequence.

⚠ Warning:

Do not operate the device with input voltage approaching or exceeding 57V DC. Doing so may trigger protective shutdown of PoE and DC outputs.