

5Port Gigabit Ethernet switching hub IP67 DC24V PoE/PSE
【M08001A0012】

User's Manual

Please read carefully before use

- The surface of the device is hot. Touching with bare hands may cause burns.
- Do not disassemble the main unit.
- Use a storage box with ventilation openings when installing the equipment in a storage box.

Check Packaged Items

Product packaging box includes the main product. Please check that the item is included when first opening the box.

Model Definitions

Product Number	TP port	PoE port	PoE/PSE Function	DC power supply
M08001A0012	5	#1~#4	IEEE802.3af (15W)	DC18V~27V (with / without PoE)

Product Panels

TP port (LAN/PoE)
Port #1~#4
(M12-X coded)

Holes

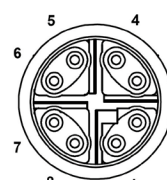
TP port(LAN)
Port #5
(M12-X coded)

Alarm/reset
Input port
(M12-D coded)

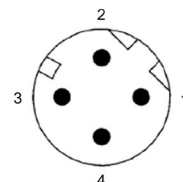
DC power port
(M12-T coded)

Ground Terminal

Holes



M12-X coded connector (TP port)



M12-D coded connector (alarm port)

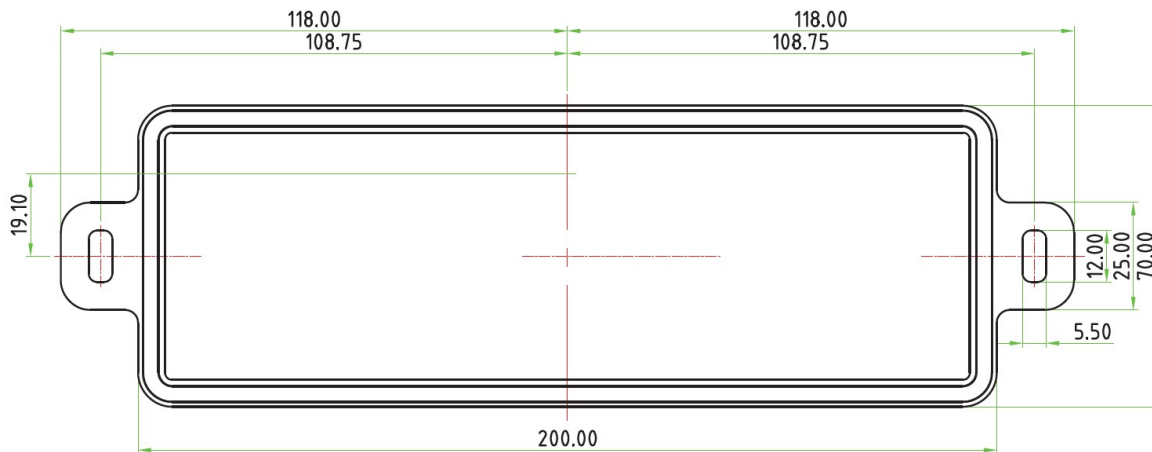


M12-T coded connector (power port)

Mounting

The switches are provided with two holes for wall mounting and an optional bracket for DIN rail mounting.

<Dimensions (Wall mount)>

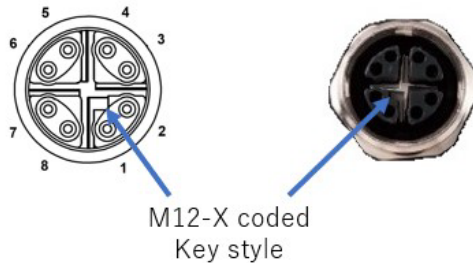


<Dimensions (DIN rail)>

The switches are provided with an optional panel mounting bracket. The bracket supports mounting the switch on a DIN rail with two brackets [H02000A0055]

M12 Interface

Each M12 connector (X-code/D-code/T-code) has its own keyway. When connecting the connector, align these key grooves, push the connector in, and tighten the connector by rotating the nut. The tightening torque should match the connector specifications.



LED Indication



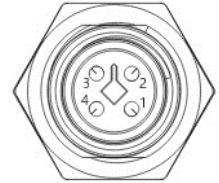
LED	State	color	Description
POWER	ON	Green	The power is supplied to the switch
	OFF	-	The power is not supplied to the switch
1000/100	ON	Orange	Port link is established 1000Mbps (No traffic)
	BLINK	Orange	Port link is up and there is traffic with 1000Mbps
	ON	Green	Port link is established 100Mbps (No traffic)
	BLINK	Green	Port link is up and there is traffic with 100Mbps
	OFF	-	Port link is down
PoE	ON	Green	PoE power is on
	OFF	-	PoE power is off
	BLINK	Red	PoE error
FAULT	OFF	-	No error
	ON	Red	Device error

PoE/PSE Function

Standard	IEEE 802.3af
PoE port	4port (#1~#4 port)
Operating Input Voltages	DC+18V~+27V
Power delivery (port)	15.4W max./port
Power delivery (device)	61.6W max. @DC24V
Protection	Over current detection, Voltage polarity reversal protection (automatic correction)

Power Connector

Connector	M12-T cord 4pin male
Pin assignments	#1 / #2 : DC+ #3 / #4 : DC-
DC input port number	1port
Compliant cable wire	AWG 24 or up
Voltage polarity reversal protection	Yes
Operating voltage range	DC18V~27V
Power consumption without PoE	6W max. @DC24V
Power consumption with PoE	78W max. @DC24V



Alarm Connector

Connector	M12-D cord 4pin female
Pin assignments	#1 / #2 : Alarm output #3 : reset input #4 : GND
Alarm port number	1port
Rating	DC+30V/1Amax.
relay	Normal: close Alarm: open
Alarm events	Power failure PoE failure Main chip failure
Compliant cable wire	AWG 24 or up
RESET input	Reset in: DC+3.3V Active duration: 0.5 ~ 1sec



Ground Terminal

When using the ground terminal provided with the main unit, attach the ground wire to the terminal.

Compliant cable wire	AWG16~22
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Features

The product is an industrial Gigabit Ethernet device which is featured with the following specifications:

Housing	Aluminum with black painting
IP rating protection	IP67 (incl. connector)
Dimension (base)	70(W) × 200(D) × 45(H)mm
Weight	820g
Mounting support	Wall, DIN-rail (with associated optional bracket)
Cooling	No forced air
Operating temperature	-30 ~ +70°C
Operating humidity	5 ~ 95%RH
Storage temperature	-40 ~ +85°C
Switching technology	Store and forward
MAC Addresses Table	8K entries
Packet memory buffer size	500k Byte
Maximum packet length	9600 Byte
Configuration	TP port 1000Mbps Link: port 1,488,090 frame/s TP port 100Mbps Link: port 148,810 frame/s

Broadcast storm protection	512k frame/s
TP/LAN port	10/100/1000BASE-T x 5port (#1 ~ #4: PoE+/PSE port)
TP/LAN port interface	M12-X code (Female) (acc. IEC 61076-2-109Ed. 1.0)
Compliance	IEEE802.3u, IEEE802.3ab auto-negotiation 1000Mbps duplex, 100Mbps duplex
Pin assignments	Auto MDI/MDI-X detection
Network cable	Cat.5e or up, STP/UTP cable
Distance	Max. 100m

Warranty

【Warranty period】 6 years (For products shipped until the end of October 2025, the warranty period is 5 years.)

【Warranty process】 Send back ※Only for Japan. Please contact us for overseas transportation.

The following cases will be handled for a fee. In addition, you will be charged for the cost of shipping the product back and forth.

- Warranty period has expired.
- Malfunctions or damages caused by handling contrary to the instructions and precautions described in the product manual.
- Malfunctions or damages caused by improper handling such as transportation, vibration, drop, shock, etc. after purchase.
- Malfunctions or damages caused by fire, earthquake, flood, lightning, other natural disaster, pollution, abnormal voltage, etc.
- Malfunctions or damages caused by other connected devices or other external factors.
- Malfunctions or damages caused by modification, adjustment, parts replacement, etc. by other than our company.

The warranty period can be checked by our company, so please contact us after confirming the model's name and serial number.

Please note that we are not responsible for any malfunction or damage of this product, or any direct or indirect damage caused during its use.

Company Information

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