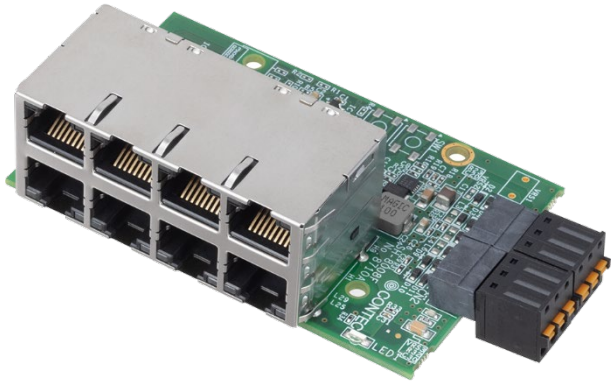
100M Industrial Switching HUB Embedded, 8 ports

SH-8008F-E



* Specifications, color and design of the products are subject to change without notice.

This product is a compact industrial 8-port unmanaged switching hub board supporting 100M.

This hub can be used in the places where the quietness or a longer lifetime of the product is desired. Furthermore, a metal housing with excellent heat dissipation enables the product to be operated in the temperature between -20°C and +60°C.

When you build a system incorporating this product, read this Reference Manual carefully, and check the connection with external devices and installation conditions.

* The contents in this document are subject to change without notice.
* Visit the CONTEC website to check the latest details in the document.
* The information in the data sheets is as of September, 2026.

Features

With its compact size, it corresponds to 100BASE-TX in eight all ports.
This product contains eight ports for IEEE802.3u (100BASE-TX)/ IEEE802.3(10BASE-T) in the compact size.

2-way power connector and reverse wiring protection within
The product supports 2-way power supply. Even when one of the power systems fails during the operation, the product continues functioning. Our safety design supports the product to function even when wires are connected in reverse.

Adaptable to a wide range of temperature between -20 and +60°C
The product is capable of operating in the temperature between -20 and + 60°C. It can be installed in the various environments.

Compatible with 8 - 35VDC wide range power
It is compatible with 8 - 35VDC wide range power and can be used in various power supply environment. In addition, An FG terminal is equipped in the power connector.

Included Items

Product ...1
Power Connector ... 2 (Attached to the Product)
Please read the following ... 1

Optional Products

Item	Model	Description
AC adapter	POA201-10-2	Input: 90 - 264VAC, Output: 12VDC 1.0A
Power extension connector	SH-CN-P1	AC Adapter Extension Connector

* Visit the CONTEC website for the latest optional products.

Specifications

Function specification

Item	Specifications
Ethernet standards	IEEE802.3/IEEE802.3u
Data transfer rate	100Mbps/10Mbps (auto-negotiation)
Communications method	All ports: Full/Half duplex (auto-negotiation)
Flow control	Full Duplex : IEEE802.3x compliant flow control Half Duplex : Back pressure
Number of effective ports	8
Switching method	Store and forward
Filtering speed	8,130pps (at 10Mbps) / 148,800pps (at 100Mbps)
Forwarding speed	8,130pps (at 10Mbps) / 148,800pps (at 100Mbps)
Address table	1,024 entries
Buffer capacity	448Kbits
Aging time	300sec (Max.)
LED indicator	POWER(Green), LINK/ACT (Green), SPEED 10/100M (Orange)
Power supply voltage *1	8V - 35VDC±5%
Hybrid supply system *2	Enable
Reverse polarity protection	Enable
FG pin	Power supply connector equipped with FG pin
Power consumption	When inputting 8V : 0.18A (Max.), When inputting 35V : 0.04A (Max.)
Physical dimensions (mm)	85(W) x 55(D) x 27.4(H) (exclusive of protrusions)
Weight	100g

*1 Use the F&eIT series AC adapter [POA201-10-2 (recommended)] or a commercially available stabilized power supply.

*2 This product can operate with a single power supply. Also, you can add redundancy to the power supply by adding a second power supply input.

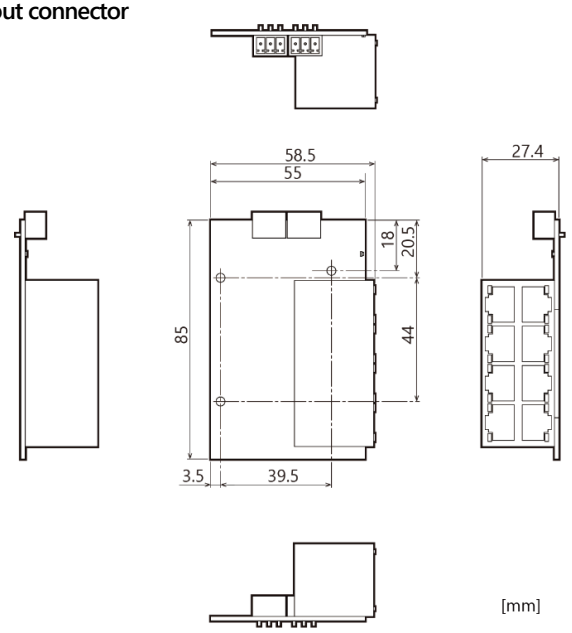
Installation Environment Requirements

Item		Description
Operating ambient temperature		-20 - +60°C *3
Operating ambient humidity		10 - 90%RH (No condensation)
Non-operating ambient temperature		-20 - +60°C
Non-operating ambient humidity		10 - 90%RH (No condensation)
Floating dust particles		Not to be excessive
Corrosive gases		None
Line-Noise resistance	Line-noise	AC line/ 2KV (EN61000-4-4Level 3, IEC61000-4-4Level 3), Signal line/ 1KV (EN61000-4-4Level 3, IEC61000-4-4Level 3)
	Static electricity resistance	Indirect Discharge /±8kV (IEC61000-4-2 Level 3, EN61000-4-2 Level 3)
Vibration resistance	Sweep resistance	10 - 57Hz/semi-amplitude 0.15mm,57 - 150Hz/(2G), 40minutes each in X, Y, and Z directions (JIS C60068-2-6-compliant, IEC60068-2-6-compliant)
Shock resistance		15G, half-sine shock for 11ms in X, Y, and Z directions (JIS C60068-2-27-compliant, IEC60068-2-27-compliant)
Grounding		Class D grounding, SG - FG/ non-conductive
Standard		VCCI Class A, FCC Class A, CE Marking (EMC Directive Class A, RoHS Directive), UKCA

*3 POA201-10-2 of the optional products is capable of operating in the temperature between 0 and +40°C.

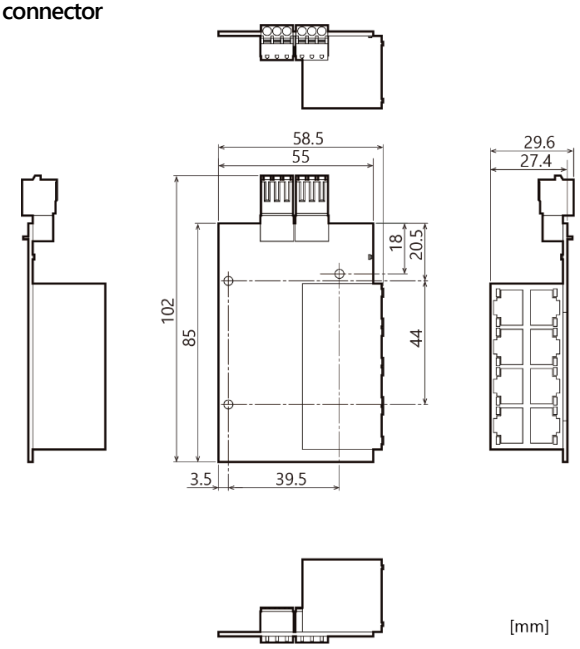
Physical Dimensions

Without connector



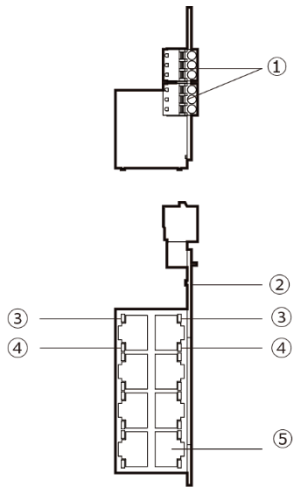
[mm]

With connector



[mm]

Component Name



No.	Name	No.	Name
1	Power Supply Connector	4	LINK/ACT LED
2	Power LED	5	LAN port
3	Speed LED		