General Specifications

FA-M3
F3LE11-1T
Ethernet Interface Module

FA-M3

GS 34M06H24-07E

■ General

The Ethernet* Interface Module is to be installed in an I/O slot of the Range Free Multi-controller FA-M3. When installed, it allows the FA-M3 to connect with IEEE802.3 compliant networks (10BASE-T or 100BASE-TX), as well as send and receive electronic mails using SMTP or POP3 protocols.

*: "Ethernet" is a registered trademark of XEROX Corporation.

■ Features

- Remote programming
  Enables a user to create and maintain programs from a computer connected to the Ethernet network using FA-M3 Programming Tool WideField3.
- Electronic mails
  Allows a user to transmit data such as values of sequence CPU devices using electronic mails. Further supports remote uploading/downloading of programs and sampling trace.
- 100 Mbps support
  The module supports 100BASE-TX for fast transmission over a network, and automatically switches between 10 Mbps and 100 Mbps.
- Higher-level link service
  Enables a user to read from and write to devices of a sequence CPU from another node connected to the same network, as well as upload, download, start, or stop a program remotely,

■ Specifications

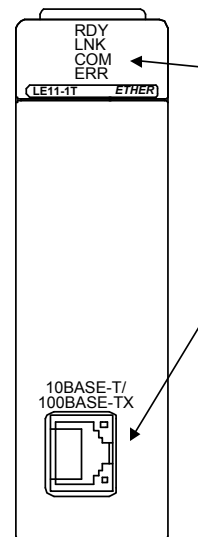|	Item	Specifications	
		100BASE-TX	**10BASE-T**
Transmission	Access control	CSMA/CD	
	Transmission speed	100 Mbps	10 Mbps
	Transmission method	Baseband	
	Maximum segment length	100 m [*1]	
	Largest connection configuration	2 cascade segments max.	4 cascade segments max.
Protocol		TCP/IP,UDP/IP,ICMP,ARP, SMTP/POP3,HTTP1.0	
Data type		Binary or ASCII (for higher-level link service only)	
Write protection		Enabled or disabled (for higher-level link service only)	
Compatible CPU modules. Number of installed modules		Total number of modules with similar functions (personal computer link module, FL-net interface module, etc.): 2 max. for F3SP08-0P or F3SP21-0N; 6 max. for F3SP22-0S, F3SP28-□S, F3SP38-6S, F3SP53-4S, F3SP58-6S, F3SP59-7S, F3SP66-4S, F3SP67-6S, F3SP71-4S, F3SP76-7S, F3BP20-0N, or F3BP30-0N	
Current consumption		330 mA max.	
External dimensions		28.9 (W) × 100 (H) × 83.2 (D) mm [*2]	
Weight		100 g	
Environmental Specifications	Surrounding air temperature range	Operating: 0 to 55°C Storage: -20 to 75°C	
	Surrounding humidity range	Operating: 10 to 90%RH (non-condensing) Storage: 10 to 90%RH (non-condensing)	
	Surrounding atmosphere	Must be free of corrosive gases, flammable gases or heavy dust.	

*1: Maximum distance between the module and a hub.

*2: Excluding protrusions (see External Dimensions for details).

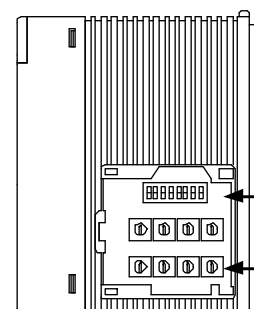### ■ Components and Functions

● Front view

Indicators
RDY: Lit when the module is operating normally.
LNK: Lit when connected to a network.
COM: Flashes when a carrier is detected on a network.
ERR: Lit when the module cannot be operated.

10BASE-T/100BASE-TX connector
* The connector is fitted with an LED lens but the LED will not light up.

10BASE-T/ 100BASE-TX

● Right side view

Communications condition switch

IP address switches

Note: This is the right side view with the panel cover removed.

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Yokogawa Electric Corporation

■ Operating Environment

This module is compatible with all sequence CPU module types.

■ Model and Suffix Codes

Model	Suffix Code	Style Code	Option Code	Description
F3LE11	-1T	......	......	10/100 Mbps 10BASE-T/100BASE-TX

■ External Dimensions

Unit : mm

83.2

28.9

2

RDY
LNK
COM
ERR
LE11-1T   ETHER

100

10BASE-T/
100BASE-TX