

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.	

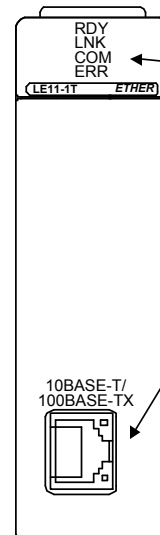
*1: Maximum distance between the module and a hub.

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



Components and Functions

Front view

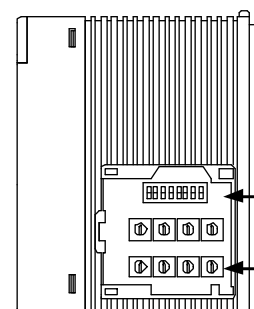


Indicators

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.

Right side view



Communications condition switch

IP address switches

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

■ 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

