

General Specifications

F3NX01-0N NX Interface Module

FA-M3



GS 34M6H29-01E

General

The NX Interface Module is used for connecting to Autonomous Distributed^{*1} Systems (NeXUS).

It supports the Autonomous Distributed Protocol, and enables information interchange between FA-M3 systems and connections to PC, FA computers and other external equipment that supports Automatic Distributed Protocol.

Multicast Communications

A node transmits data to the data field to which it belongs by multicast communications via Ethernet^{*2}. Other nodes in the data field receive this data autonomously. Identification of and synchronization between sender and receiver are not required.

Alive Signal Transmission

By using alive signals, status information on equipment connected to a data field, programs in equipment and hardware status can be autonomously collected. Error information can be attached to alive signals.

*1: "Autonomous Distribution" is a registered trademark of Hitachi Ltd.

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

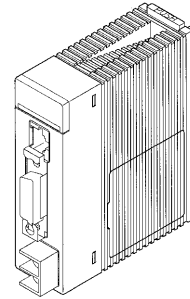
Features

Scope of Support for Autonomous Distributed Interface (Category A)					
Primary Functions			Secondary Functions		
Class	Functions		Class	Functions	
A-Base-1	Multicast communication	✓	A-Opt-1-a	Redundant LAN control multicast communication	×
A-Base-2	Alive signal transmission	✓	A-Opt-2-a	Fault information transmission	✓
A-Opt-3	One-to-one communication (Max. 16KB)	×	—	—	—
A-Opt-4	Configuration over a network	×	—	—	—

Specifications

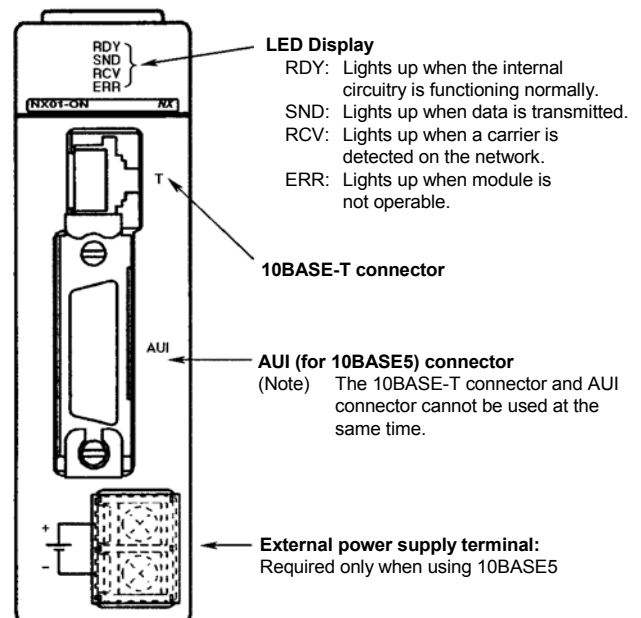
Item	Description		
Transmission Specifications	Access control	CSMA/CD	
	Transmission speed	10 Mbps	
	Transmission method	Base band	
	Maximum segment length	10BASE5	500 m (2.5km max. when using a repeater)
		10BASE-T	100m
Maximum no. of nodes	100/segment (10BASE5) 2/segment (10BASE-T)		
Protocol	UDP/IP, ICMP, ARP		
Number of mounted modules	F3SP20 and F3SP21: 2 max. F3SP25, F3SP28, F3SP30, F3SP35, F3SP38, F3SP53, F3SP58, F3SP59, F3FP36: 6 max. * The total number including other modules with the same function (PC Link Modules)		
Internal current consumption	330 mA (5V DC)		
External power supply	12V DC 500 mA (when using 10BASE5)		
External Dimensions	28.9 (W) x 100 (H) x 83.2 (D) mm *		
Weight	130g		

* Excluding protrusions (For details, see "External Dimensions.")

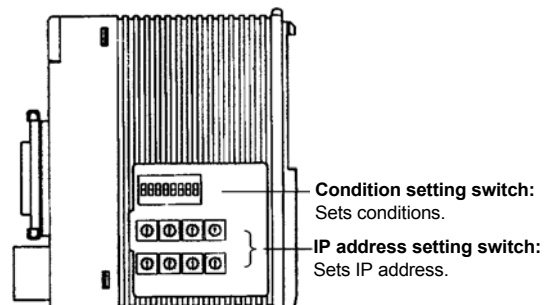


Components and Functions

Front view

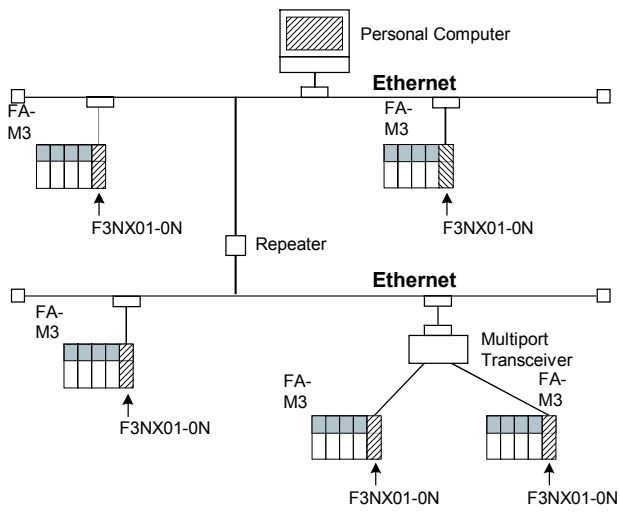


Right side view



* This is the right side view with the panel cover removed.

■ Configuration Example



■ Operating Environment

This module is compatible with all CPU module types.

■ Model and Suffix Codes

Model	Suffix Code	Style Code	Option Code	Description
F3NX01	-0N	—	—	10 Mbps, 10BASE5, 10-BASE-T

■ External Dimensions

