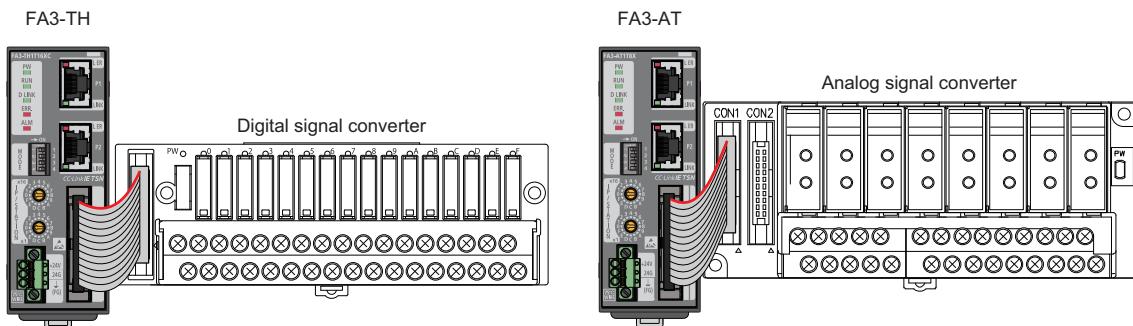


# 1 OVERVIEW

This manual describes specifications, handling, functions, and troubleshooting of the CC-Link IE TSN/Ethernet network interface module.

The network interface module is connected to the digital signal converter or analog signal converter, and used as a remote station in the CC-Link IE TSN.



The network interface module refers to the following types.

Generic term	Description	Performance specifications
Network interface module (digital input/output)	Used to connect a digital signal converter to monitor and control digital I/O signals via a network. 16-point input type, 16-point output sink type, and 16-point output source type are available.	<a href="#">Page 19 Network interface module (digital input)</a> <a href="#">Page 20 Network interface module (digital output)</a>
Network interface module (analog input/output)	Used to connect an analog signal converter to monitor and control analog signals via a network. 8-point voltage input type and 8-point voltage output type are available.	<a href="#">Page 21 Network interface module (analog input)</a> <a href="#">Page 22 Network interface module (analog output)</a>

The network interface modules support the following networks/protocols.

Generic term	Model	CC-Link IE TSN	CC-Link IE Field Network	CC-Link IE Field Network Basic	SLMP	MODBUS/TCP
Network interface module (digital input/output)	FA3-TH1M16XC	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	FA3-TH1T16XC	<input type="radio"/>	<input checked="" type="radio"/> *1	<input type="radio"/>	<input type="radio"/>	—
	FA3-TH1M16Y	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	FA3-TH1T16Y	<input type="radio"/>	<input checked="" type="radio"/> *1	<input type="radio"/>	<input type="radio"/>	—
	FA3-TH1M16YE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	FA3-TH1T16YE	<input type="radio"/>	<input checked="" type="radio"/> *1	<input type="radio"/>	<input type="radio"/>	—
Network interface module (analog input/output)	FA3-AT1M8X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	FA3-AT1T8X	<input type="radio"/>	<input checked="" type="radio"/> *1	<input type="radio"/>	<input type="radio"/>	—
	FA3-AT1M8Y	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	FA3-AT1T8Y	<input type="radio"/>	<input checked="" type="radio"/> *1	<input type="radio"/>	<input type="radio"/>	—

\*1 The availability is restricted by the software and hardware versions. ([Page 176 Supported network interface modules](#))

- CC-Link IE TSN ([Page 140 COMMUNICATIONS USING CC-LINK IE TSN](#))
- CC-Link IE Field Network ([Page 176 CC-LINK IE FIELD NETWORK COMMUNICATIONS](#))
- CC-Link IE Field Network Basic ([Page 201 CC-LINK IE FIELD NETWORK BASIC COMMUNICATIONS](#))
- SLMP ([Page 238 SLMP COMMUNICATIONS](#))
- MODBUS/TCP ([Page 264 MODBUS/TCP COMMUNICATIONS](#))

# MEMO

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