

FC5A-SIF4

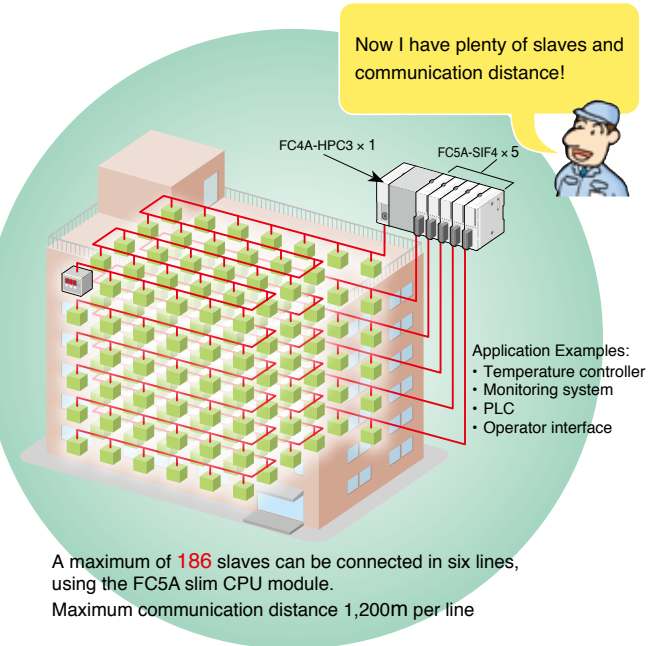
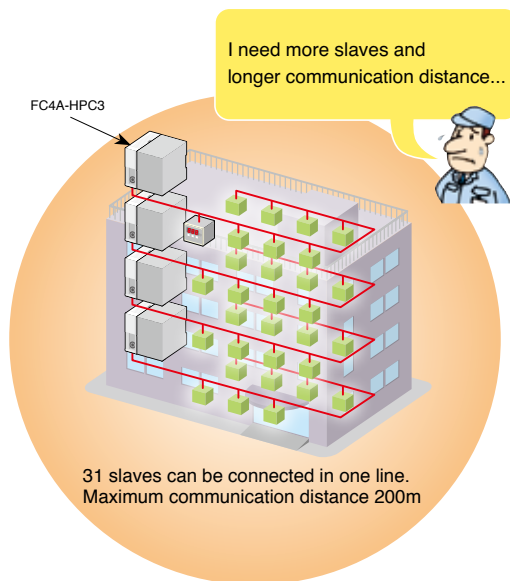
Expansion RS485 Communication Module

Used with the FC5A CPU module to expand up to a maximum of five expansion RS485 communication modules

• FC5A-SIF4 Expandability and Main Specifications

	Expansion RS485 Communication Module FC5A-SIF4	RS485 Communication Module Communication Adapter	Maximum RS485 Ports in Total
Expandability			
FC5A Slim CPU Module	5 modules	1 communication module FC4A-HPC2 FC4A-HPC3	6 ports (Note)
FC5A All-in-one CPU Module	3 modules	1 communication adapter FC4A-PC2 FC4A-PC3	4 ports (Note)
Communication Distance per Line	1,200m	200m	—
Baud Rate	115,200 bps	57,600 bps	—

Note: A maximum of 31 slaves can be connected in one line, using the user communication or Modbus communication.



- FC5A CPU module with system program ver. 2.20 or higher is needed.
- WindLDR ver. 6.20 or higher is needed, which is contained in Automation Organizer ver. 1.2 (application software).
- WindLDR ver. 6.20 is supplied with CPU module system program ver. 2.20, which can be downloaded to the CPU module.
- Owners of an older version of WindLDR can download the latest WindLDR from the IDEC web site and upgrade the CPU system program to the latest version.

FC5A-SIF4
Expansion RS485 Communication Module

FC5A Programmable Controller
Slim Type CPU Module

Type No.

Name	Specification	Ordering Type No.	Package Quantity
Expansion RS485 Communication Module	RS485 × 1 port	FC5A-SIF4	1

Free download service is available from the IDEC web site.

www.idec.com

- English PDF user's manual for the FC5A MicroSmart Pentra Programmable Logic Controller (FC9Y-B1138)
- Automation Organizer ver. 1.20 Upgrade
- Automation Organizer ver. 1.20 Trial
- FC5A FAQ

FC5A-SIF4 Expansion RS485 Communication Module

Specifications

• General Specifications

Quantity of Channels	1
Synchronization	Start-stop synchronism
Electrical Characteristics	EIA RS485 compliant
Baud Rate	115,200 bps maximum
Operating Temperature	0 to 55°C (no freezing)
Operating Humidity	10 to 95% RH (no condensation)
Cable	Cable Type
	Shielded twisted-pair cable with a minimum core wire of 0.3 mm ² (AWG22)
Cable	Conductor Resistance
	65.7 Ω/km maximum (20°C)
Isolation from Internal Circuit	Transformer isolated
Maximum FC5A-SIF4 Modules Connected (Note 1)	5 (using FC5A slim CPU module)
	3 (using FC5A all-in-one 24-I/O CPU module) (Note 2)
Internal Current Draw	40 mA (5V DC), 40 mA (24V DC)
Weight (approx.)	100g

Note 1: FC5A-SIF4 cannot be connected to FC4A CPU modules.

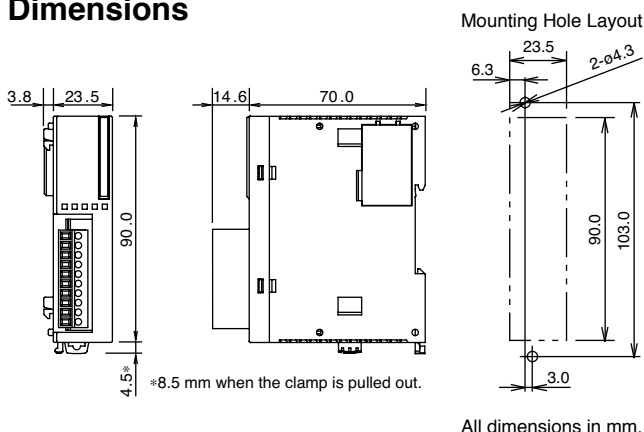
Note 2: FC5A all-in-one 24-I/O CPU module cannot use the FC5A-SIF4 module in combination with the function modules listed in the table below. When using these modules in combination with the FC5A-SIF4 module, use the slim type CPU module.

Function Module	Type No.
Analog I/O Module	FC4A-L03A1, FC4A-L03AP1, FC4A-2JA1, FC4A-K1A1, FC4A-J4CN1, FC4A-J8C1, FC4A-J8AT1, FC4A-K2C1
AS-Interface Master Module	FC4A-AS62M

• Communication Specifications

Baud Rate	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps
Maintenance Communication	Possible
User Communication	Possible
Data Link	Possible
Modbus Communication	Modbus ASCII master, Modbus ASCII slave, Modbus RTU master, Modbus RTU slave
Maximum Cable Length	1200m
Quantity of Slaves	31

Dimensions



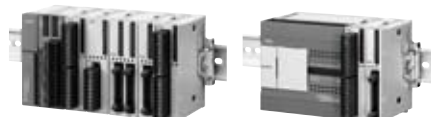
MICROSmart FC5A MICROSmart *pentra* Micro Programmable Logic Controllers

High-performance for meeting various applications
 IDEC Logic Engine[®] achieves fastest processing in its class

- I/O points: 512 maximum (slim CPU)
88 maximum (all-in-one CPU)
- Input: 24V DC (sink/source compatible)
- Output: Relay (240V AC 2A, 30V DC 2A)
Transistor sink/source (0.3A) (slim CPU only)
- Program capacity: 62.4 KB (slim CPU)
54 KB (all-in-one CPU)
- Instruction words: Basic 35 (slim and all-in-one CPU)
Advanced 92 (slim CPU)
Advanced 81 (all-in-one CPU)



For details, see a separate catalog (Cat. No. EP1203).



System configuration software for the optimal automation environment

SW1A-W1C Automation Organizer

Automation Organizer

Automation Organizer is a software suite containing all three programs.

- WindCFG** System Configuration Software
- WindLDR** PLC Programming Software
- WindO/I-NV2** OI Touchscreen Programming Software



For details, see a separate catalog (Cat. No. EP1303).

Specifications and other descriptions in this pamphlet are subject to change without notice.



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