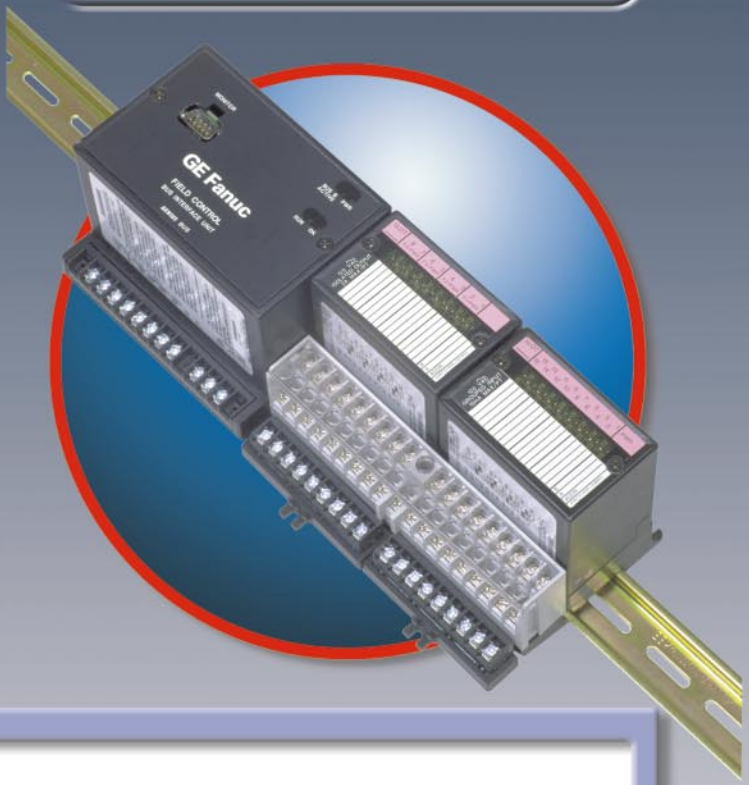
GE Fanuc Automation

Field Control™

OVERVIEW

With Field Control™, you can have it both ways. By delivering both distributed control and I/O in a single low-cost module, Field Control boosts real-time performance at the local level while dramatically reducing wiring runs and freeing up panel space. With Field Control, you can reserve the horsepower of the main processor for database management and supervisory functions.



PRODUCT FEATURES

Built for Performance in Rugged Environments. GE Fanuc engineers have designed Field Control to stand up to the most rigorous industrial automation environments. Each field processor and I/O module is protected by a rugged, sealed aluminum housing for environmental integrity.

Put an End to Interposing Terminal Blocks. Field Control's built-in terminal block I/O system can free up as much as 30 percent of valuable panel space and cut costs. Designed to be installed and wired like a field terminal block, Field Control can reduce connections by up to one half.

Modular Design Adapts to Your Application. Each Field Control station consists of a bus interface unit, an optional field processor, up to four field terminal bases, and as many as eight I/O modules. With Field Control, you can design a system that meets the precise needs of your application and upgrade it as your application requires.

Open Architecture Accommodates Your Preferred Fieldbus. Field Control's modular communications structure provides network independence, enabling it to be applied globally to a host of fieldbus options.

www.gefanuc.com

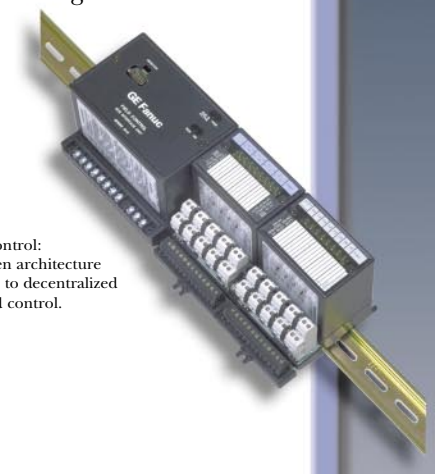
ORDERING INFORMATION

Field Control Product Guide

Description	Catalog Number	
Bus Interface Units	IC670GBI002	Genius BIU, 24 VDC Power
	IC670GBI102	Genius BIU, 120 VAC/125 VDC Power
	IC670FBI001	FIP BIU, 24 VDC Power
	IC670PBI001	Profibus DP BIU, 24 VDC Power
	HE670IBU100	InterBus-S BIU, 24 VDC Power
Field Processor	IC670MFP100‡	Micro Field Processor
Field I/O Modules		
Discrete Input Modules	IC670MDL233	120 VAC 8 Pt. Isolated Input Module
	IC670MDL240	120 VAC Input 16 Pt. Grouped
	IC670MDL241	240 VAC Input 16 Pt., 2 Groups
	IC670MDL640	24 VDC Pos./Neg. Input 16 Pt. Grouped
	IC670MDL641	48 VDC Pos./Neg. Input 16 Pt. Grouped
	IC670MDL642	125 VDC Input 16 Pt. Grouped
	IC670MDL643	5/12 VDC Input 16 Pt., 2 Groups
	IC670MDL644	12/24 VDC Pos./Neg. 16 Pt. Grouped Fast Input
Discrete Output Modules	IC670MDL330	12-120 VAC Output 16 Pt. Grouped
	IC670MDL331	120 VAC 2A Output 8 Pt. Isolated
	IC670MDL730Δ	24 VDC Electronic Short Circuit Protection 8 Pt. Output Module
	IC670MDL740	12/24 VDC 0.5A Pos. Output 16 Pt. Grouped
	IC670MDL742	5/12 VDC Output Neg. 16 Pt. Grouped
	IC670MDL930	Relay 2A 8 Pt. 6 Form A/2 Form C Isolated
	HE670RLY168 †ø	Horner 16 Pt. High Current Relay
Analog Input Modules	IC670ALG230	Analog Input Current 8 Channel Grouped
	IC670ALG240‡	Analog Input Current 16 Channel Grouped
	IC670ALG620‡	RTD 4 Channel Isloated – 3 wire
	IC670ALG630‡	Thermocouple 8 Channel Isolated
	HE670ADC810	Horner Analog Input +/- 10 VDC, 0-10 VDC 8 Channel Grouped
	HE670ADC830	Horner Isolated Analog Input (Voltage), 8 Channel
	HE670ADC840	Horner Isolated Analog Input (Current), 8 Channel
Analog Output Modules	IC670ALG310	Analog Output Voltage, 8 Channel, 0-10 VDC and +/- 10 VDC
	IC670ALG320	Analog Output Current/Voltage 4 Channel Grouped
	IC670ALG330	Analog Output Current 8 Channel Grouped
Combination I/O Module	IC670MDD441	24 VDC Input (10)/24 VDC Output (6) with Electronic Short Circuit Protection

Choose from a Variety of Versatile I/O Modules.

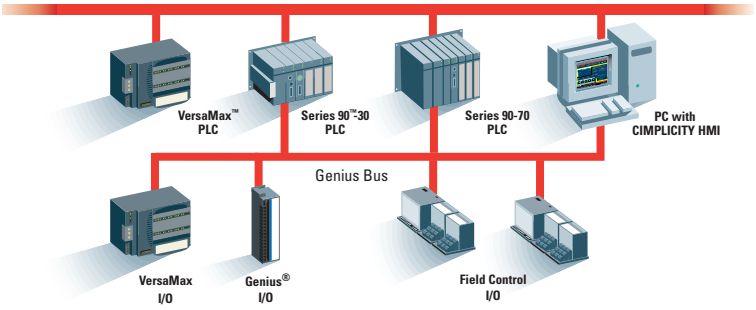
Field Control I/O modules include 24 VDC and 120 VAC discrete modules, as well as thermocouple and RTD analog modules.



Field Control:
The open architecture solution to decentralized I/O and control.

†UL, C-UL Class I Div II approval pending
‡Requires Release 2.0 BIU (IC670GBI002E or Later)
ΔRequires Release 2.1 BIU (IC670GBI002F or Later)
ø CE Compliance Approval Pending
All modules have UL, C-UL Class I Div II approval and are CE compliant unless indicated by † and/or ø .

Factory LAN



The Genius network provides a common communications platform for many different GE Fanuc products. In addition to Field Control, these products include Genius,® VersaMax,™ and the Series 90™-30 and 90-70 PLC's.

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ADDITIONAL RESOURCES

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GE FANUC

GE Fanuc Automation

GE Fanuc Automation Information Centers
USA and Canada 1-800-648-2001
Europe and Middle East (352) 727929-1
Asia Pacific 65-566-4918
Latin America (610) 437-7932
Mexico 1-800-989-1244

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