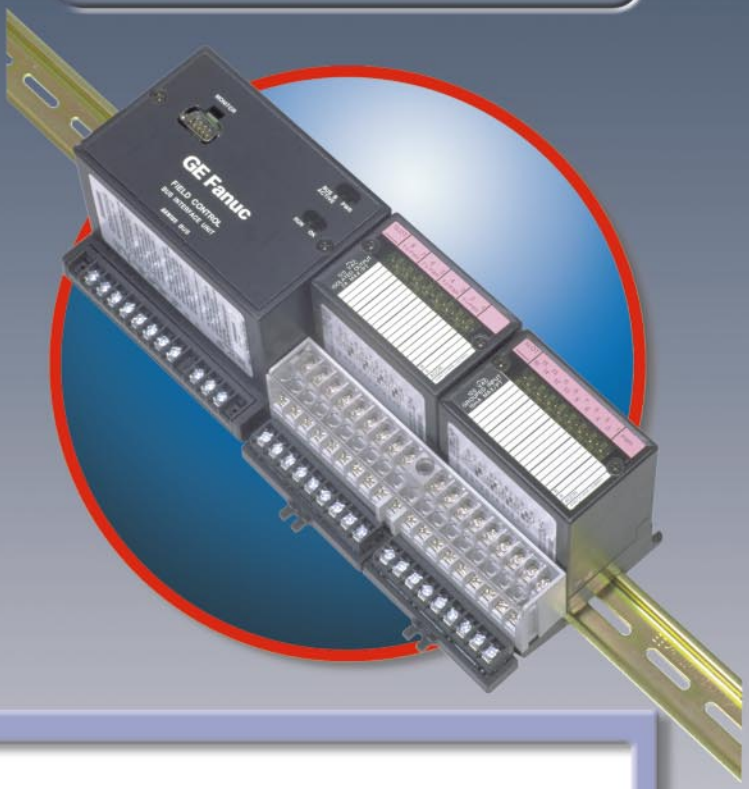
GE FANUC

# 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.

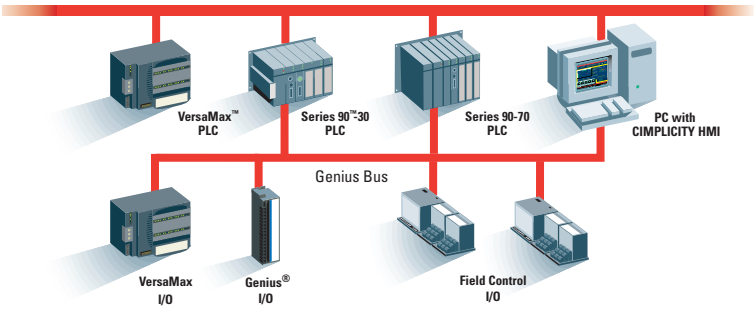
www.gefanuc.com

## ORDERING INFORMATION

### Field Control Product Guide

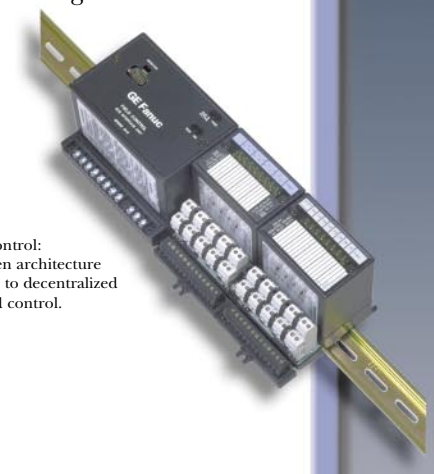
| Description | Catalog Number | |
|---|---|---|
| Bus Interface Units | IC670GBI002 | Genius BIU, 24 VDC Power |
| | IC670GBI102 | Genius BIU, 120 VAC/125 VDC Power |
| | IC670FBI001 | FIP BIU, 24 VDC Power |
| | IC670PBI001 | Profibus DP BIU, 24 VDC Power |
| | HE670IBU100 | InterBus-S BIU, 24 VDC 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 |

### Factory LAN




## 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 .*

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**

**www.gefanuc.com**

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## 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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