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PROFIBUS MODULE FOR GE FANUC SERIES 90-70

Overview

The SST Profibus module connects your GE Fanuc Series 90-70 programmable controller to Profibus DP Master, DP Slave and FDL.



Applications

The Profibus module for the GE Fanuc Series 90-70 programmable controller can be used for:

- Controlling I/O
- Monitoring I/O
- Peer-to-peer communication

Features

- Supports all standard baud rates (up to 12 Mbaud)
- Simultaneous operation of Profibus DP Master, DP Slave, and FDL protocols
- Extremely fast scan rate for a DP Master - 6000 I/O in 1 ms!

GE Fanuc Series 90-70 Configuration

The SST Profibus module is configured in the GE Fanuc Series 90-70 as a foreign VME module. A Profibus DP configuration can be created on a desktop computer and downloaded to the SST Profibus module via a serial port.

Available with the SST-PFB-GE:

- GE Fanuc Series 90-70 example software
- Profibus DP Master Configuration Software
- Global Technical Support, 24 hours/7 days

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Hardware Specifications

- 24 Mhz Intel i960 RISC processor with 512 Kbytes of 32-bit local RAM
- 256 Kbytes shared 16-bit RAM, accessible from the host as 256 Kbytes or in 16 Kbyte pages
- 512 Kbytes sectored flash memory for storage of module firmware and configuration data
- Siemens ASPC2 LAN controller for Profibus functions
- Standard Profibus 9-pin D-connector to connect to Profibus bus connector
- 5-pin Phoenix connector (add built-in termination by making connections on the Phoenix connector, internally connected to the 9-pin connector)
- Serial port for downloading software modules and configuration data
- Hardware watchdog, optional host watchdog to shut down operation
- Supports Profibus baud rates 9.6 Kbaud to 12 Mbaud
- Power requirements: maximum 950 mA at 5 V
- Operating temperature: 0 to 50C (32 to 122°F)
- Storage temperature: -25 to 70C (-13 to 158°F)
- Diagnostic LED gives instantaneous status of network errors, DP master, DP slave, FMS and FDL

VME Specifications

- *Size:*
  - IEEE 1014, 6U height, P1 compatible
- *Capabilities:*
  - memory SD16, SDO8 (EO), SA24
  - registers SD08(O), SA16
- *Addressing:*
  - standard: 256 Kbytes on any 256 Kbyte boundary or 16 Kbytes on any 16 Kbyte boundary
  - short: 8 bytes on any 1 Kbyte boundary

Other Reference Materials

Web Site:

- www.mysst.com/bcm/content.htm

Data Sheets:

- 6000 I/O in 1ms
- Profibus Configuration and Diagnostic Software

Related GE Fanuc Series 90-70 Products

- PLC Network Modules for Allen-Bradley DH/DH+ and RIO, and Reliance AutoMax DCS/RIO

Related Profibus Products

- Network Interface Cards connect various computer bus formats to industrial networks
- Embedded Network Solutions provide OEMs and device manufacturers with connectivity to industrial networks
- Network Diagnostic and Configuration Software
- I/O Simulation Software provides control systems testing and operator training
- Network Gateways provide connectivity between two dissimilar networks; over 45 industrial network protocols currently supported
- PLC Network Modules connect programmable controllers to industrial networks and I/O devices
- Data Servers include OPC and DDE Servers

Affiliations

- SST is an active member of Profibus International
- Profibus module for GE Fanuc Series 90-70 is referenced in the GE Accompany Program

Ordering Information

- Order part number SST-PFB-GE

www.mysst.com

Also available from SST:

Gateways
PLC Modules
Data Servers
Interface Cards
Embedded Solutions
I/O Simulation Software
Diagnostic and Configuration Software

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