PROFIBUS PC CARD INTERFACE CARD

Overview

The SST Profibus PC Card (PCMCIA) connects your PC Card (PCMCIA) bus computer to Profibus DP, FMS client[+], FDL and the S7 communication port.

Applications

Many third party software programs support the SST Profibus card for various applications including:

- Operator Interface / HMI / SCADA
- PC Control
- Network Configuration, Troubleshooting and Diagnostics
- I/O Emulation

Features

- Supports all standard baud rates: 9.6 Kbaud to 12 Mbaud
- Simultaneous operation of Profibus DP Master, DP Slave, FDL (layer 2), FMS client[+] and the S7 communications port
- Intel 32-bit i960 RISC processor utilized with 512 Kbytes of 32-bit local RAM
- 512 Kbytes of flash memory for storage of programs and configuration

Available for SST Profibus Cards

- **DP Configuration software**
- **Network Diagnostic software**
- **DDE Server**
- **OPC Server**
- **Custom driver development software**
- **Sample code and Microsoft Windows 32-bit kernel drivers**
- **Common Driver Architecture (CDA)**
- **Global Technical Support (24 hours, 7 days)**

Custom Driver Development

SST offers two options for supporting the Profibus interface card: SST Common Driver Architecture (CDA) or Memory Mapped Access. The SST CDA significantly reduces software driver development time without compromising any of SST's hardware specific features. The CDA supports SST's ControlNet, DeviceNet, Modicon and Profibus interface cards. Memory Mapped Access is also available. SST provides an open documented memory map interface with example C source code and Windows 32-Bit DLLs and drivers.

Extremely Fast Scan Rate for DP Master 6000 I/O in 1 ms!

PROFI®
PROCESS FIELD BUS
BUS

SST

Network Interface Cards

Hardware Specifications

- Compatible with PC Card, release 2.1, type II card
- 24 MHz Intel i960 RISC processor with 512 Kbytes of 32-bit local RAM
- 256 Kbytes shared 16-bit RAM, accessible from the host in 16 Kbyte pages
- 512 Kbytes sectored flash memory for storage of card firmware and configuration
- Store network parameters, DP master and DP slave configurations in flash
- Siemens ASPC2 LAN controller for Profibus functions
- Occupies 16 Kbytes of host memory, 8 I/O port addresses
- Supports baud rates from 9.6 Kbaud to 12 Mbaud
- Auto baud detect
- Standard Profibus 9-pin D-connector
- Hardware watchdog
- Diagnostic LEDs give instantaneous status of network error, DP master, DP slave, FMS client[+], and FDL
- Operating temperature: 0 to 50C (32 to 122°F)
- Storage temperature: -25 to 70C (-13 to 158°F)
- Power requirements: maximum 750 mA at 5 V

[+] *supports FMS client services only, on a DEFINED, MASTER to MASTER ACYCLIC (MMAC) connection type*

Other Reference Materials

Web Site

- www.mysst.com/cards/profibus/pfb.htm

Data Sheets

- 6000 I/O in 1 mS
- Profibus Configuration and Diagnostic Software
- Profibus DDE Server
- Third Party Driver Listing

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

Ordering Information

- Order part number 5136-PFB-PCM

Also available from SST:

www.mysst.com

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

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