

PROFIBUS PC/104 INTERFACE CARD

Overview

The SST Profibus interface card connects your PC/104 bus computer to Profibus DP, FMS client⁺, and FDL.

Applications

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

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

Features

- Supports all standard Profibus baud rates: 9.6 Kbaud to 12 Mbaud
- Simultaneous operation of Profibus DP Master, DP Slave, FDL (layer 2), and FMS client⁺
- Auto baud rate detection
- 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

Custom Driver Development

SST provides an open documented memory map interface with example C source code and Windows 32-Bit DLLs and drivers.



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
- 24/7 Global Technical Support

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



Network Interface Cards

www.mySST.com

Distribución: ER-SOFT, S.A. Email: er@er-soft.com, Tel: +34 916 408 408

Hardware Specifications

- 16-bit PC/104 stackable card
- 24 Mhz Intel i960 RISC processor with 1 Mbyte of 32-bit local RAM
- 512 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 interrupts 3, 5, 7, 9, 10, 11, 12, 15
- Supports baud rates from 9.6 Kbaud to 12 Mbaud
- Auto baud detection
- Standard Profibus 9-pin D-connector
- Hardware watchdog
- Diagnostic LED gives 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

Other Reference Materials

Web Site

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

Related Profibus Products

- Network Interface Cards connect various computer bus formats to industrial networks
- Network Diagnostic and Configuration Software
- I/O Simulation Software provides control systems testing and operator training
- Network Gateways
- PLC Network Modules connect programmable controllers to industrial networks and I/O devices
- Data Servers include OPC and DDE Servers

Affiliations

- Active member of Profibus International

Ordering Information

- Order part number 5136-PFB-104

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

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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