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Find the *Molex / Woodhead / SST 5136-PFB-VME* at our website: *Click HERE*

PROFIBUS VME INTERFACE CARD

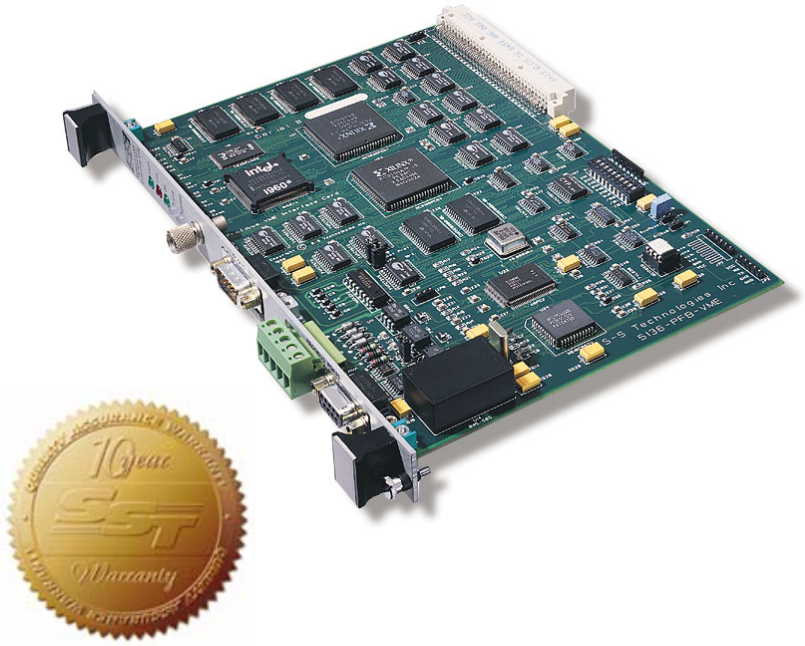
Overview

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

Applications

The SST Profibus VME interface card connects the following to Profibus:

- VME based programmable controllers
- VME based motion controllers
- VME based computers



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+
- 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

VME Specifications

- **Size:**
  - IEEE 1014, 6U height, P1 compatible
- **Capabilities:**
  - memory SD16, SADO24
  - registers SD08(O), SADO16
- **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
- **Interrupts:**
  - switch selected level 1-7
  - software set 8-bit status /ID
  - release on acknowledge (ROAK)

Custom Driver Development

The Profibus VME card interfaces with the host processor through shared dual ported memory. A fully documented host memory interface is provided. The card does not require external libraries, which simplifies custom driver development in your chosen operating system. DOS example programs with C source are included with each card to assist you with your software development.

Available for SST Profibus Cards

- **DP Configuration software**
- **Custom driver development software**
- **Sample code and Microsoft Windows 32-bit kernel drivers**
- **10-year warranty**
- **Global Technical Support (24 hours, 7 days)**

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

PROFI® PROCESS FIELD BUS

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 card firmware and configuration data
  - → run programs from flash
  - → store network parameters, DP master, DP slave, FMS client[+] configurations in flash
- Siemens ASPC2 LAN controller for Profibus functions
- Standard Profibus 9-pin D-connector
- 5-pin Phoenix connector (no bus connector required in this case)
  - → built-in termination can be added by making connections on the Phoenix connector
  - → internally connected to 9-pin connector
- Serial port for downloading software modules and configuration data
  - → don't need to download from the host computer
  - → program modules and configurations into flash from the serial port
- Supports Profibus baud rates from 9.6 Kbaud to 12 Mbaud
- Hardware watchdog
- Optional host watchdog to shut down operation if host application fails
- Diagnostic LED gives instantaneous status of network errors, DP master, DP slave, FMS client[+] and FDL
- CE compliant
- Operating temperature: 0 to 50C (32 to 122°F)
- Storage temperature: -25 to 70C (-13 to 158°F)
- Power requirements: maximum 950 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

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-VME

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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