

/// **ALLEN-BRADLEY DH/DH+/RIO** /// **PC/104 INTERFACE CARD**

Overview

The SST Allen-Bradley PC/104 interface card connects your PC/104 bus computer to Allen-Bradley's Data Highway (DH) /Data Highway Plus (DH+) and Remote I/O (RIO) (adapter or scanner mode) networks.

Applications

Many third party software programs support the SST Allen-Bradley DH / DH+ interface card for various applications including:

- Operator Interface / HMI
- PLC Programming
- Network Diagnostics for DH+ and 1771 Remote I/O

Features

- Same memory interface as the SST ISA Card for Allen-Bradley so all applications existing for the ISA card can be used with the PC/104 card.
- Supports 57.6, 115.2 and 230.4 Kbaud rates on Data Highway Plus and 57.6 Kbaud on Data Highway
- Supports communication as one or more slave racks using RIO
- Software support included for emulation of Allen-Bradley's 1784-KT card
 - Compatible with Rockwell Software's RSLinx and its RS family of products
- Most third party products include support for the SST ISA Card including Rockwell Software's RSLinx communication software
- Dual Application Interface (DAI) allows either two 16 bit or 32 bit Windows programs simultaneous access to one SST card
- Simple connection to network using a 6-pin screw terminal connector

Custom Driver Development

The PC/104 card interfaces with the host processor through shared 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 to assist you with your software development. A kernel device driver, Windows DLLs and 32-bit Windows sample applications are also included.



Included with the SST DH/DH+ PC/104 Card

- OPC Server for DH+
- DH+ Analyzer/Monitor
- 1771 Remote I/O Logic Analyzer/Monitor
- Software support for emulation of Allen-Bradley's 1784-KT interface card
- Dual Application Interface
- 24/7 Global Technical Support



Hardware Specifications

- Single PC/104 card
- Supports 57.6, 115.2, and 230.4 Kbaud on Data Highway Plus
- Supports communication as one or more racks using RIO
- Occupies 16 or 32 Kbytes of host computer memory address space, memory location and size software configurable
- Port addresses 200 to 6F8 supported on 8 byte boundaries
- Memory addresses 8000 to FC00 supported on 16 or 32 Kbyte boundaries
- Multiple PC/104 cards can be configured in the same computer
- Optional interrupt generation on network events
- Interrupts 2, 3, 5, 7, 11, 12, and 15 supported
- Compatible with PLC-2*, PLC-3*, PLC-5, PLC-5/250, and SLC 5/04 processors
- Operational temperature: 0 to 50C (32 to 122°F)
- Storage temperature: -25 to 70C (-13 to 158°F)
- Power requirement: +5 V at 500 mA

* Does not support front port current loop connection to PLC-2 or PLC-3 processors

Other Reference Materials

Web Site:

- [Www.mysst.com/cards/ab/ab.asp](http://www.mysst.com/cards/ab/ab.asp)

Related Allen-Bradley 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

- The SST Allen-Bradley DH/DH+ PC/104 card is referenced in the Rockwell Automation Encompass Programs.

Ordering Information

- Order part number 5136-SD-104
Includes functionality formerly included in the following obsoleted part numbers:
 - 5136-SD-104-S - SST Allen-Bradley Remote I/O (Scanner) PC/104 Interface Card
 - 5136-SD-104-R - SST Allen-Bradley Remote I/O (Adapter) PC./104 Interface Card

Also available from SST:

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

www.mysst.com

ESD104 June 2002

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