



1784-PKTx Communication Cards Combine DH+, DH-485 and RIO with PCI Performance

(Catalog Numbers - 1784-PKTX, -PKTXD, -PKTS)

Product Profile



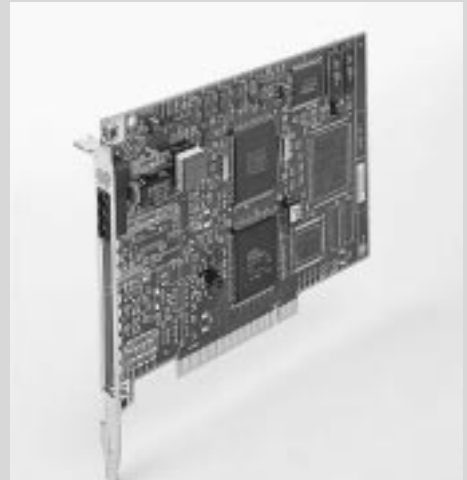
The 1784-PKTX Card

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The 1784-PKTXD Card

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The 1784-PKTS Card

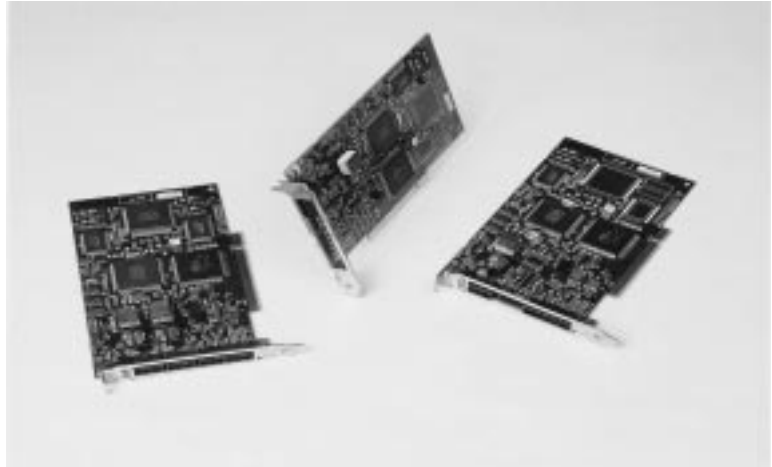
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Use PCI technology to interface your PC or PC-based controller to Data Highway Plus™, Data Highway 485 or remote I/O networks with Allen-Bradley's 1784-PKTx family. This family of PCI interface cards leverages PCI and plug and play technology. All three cards allow for the automation of base memory addresses and interrupt requests.

Hardware/Software Compatibility

The PKTx family functions well with evolving hardware and software platforms. Using Rockwell Software's RSLinx software, these cards operate within the Windows™ 95 and Windows NT platforms. Using the 6001-RIO RIO Toolkit and the 1784-PKTS, you can develop a remote I/O scanner driver. If you are using MS-DOS, Windows 3.x, or another operating system, you can design drivers for DH+™ or DH485 applications using 1784-DP5 specifications.

The PKTx Family



The 1784-PKTx Family

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Catalog Number	Description
1784-PKTS	Single channel card supporting RIO scanner only
1784-PKTX	Single channel card supporting DH+, RIO scanner, and DH-485
1784-PKTXD	Dual channel card supporting DH+, RIO Scanner, and DH-485 on first channel, and DH+ and RIO scanner on the second channel

PKTx Family Benefits

Stock Fewer Parts

The PKTx family of interfaces helps reduce the quantity and variety of PC interfaces you'll need to support your Allen-Bradley control system. A single product can now support three A-B networks—Data Highway Plus, Data Highway 485 and remote I/O. This gives you flexibility in stocking fewer parts.

The 1784-PKTS - Scanner-Only Interface

Features/Benefits

- developed for applications using a personal computer for monitoring Allen-Bradley I/O modules
- intended for use where PC-based control systems are needed

Developers Kit

For third parties developing applications for MS-DOS and Windows 3.x, or other operating systems, A-B provides development software and documentation which includes DH+ and DH-485 binary and loader files.

A developer's kit (catalog number DP-5), which includes a diskette and documentation, is available for developing remote I/O scanner interface drivers. In addition to binary and loader files, the documentation provides examples of C code applications.

Diagnostic Software

A diagnostic software program is included with the 1784-PKTX, -PKTXD, -PKTS cards. The program performs a variety of tests on the card, the host PC and the dual-port memory interfaces.

Software Compatibility

RSLink is PKTx-compatible and will operate on DH+ and/or DH-485 networks. Refer to Rockwell Software Inc.'s "Software Connection" for the latest list of compatible software products and connectivity supported.

Specifications

Functional Specifications

1784-PKTx	CH 1A (3-pin Phoenix) runs DH+ or remote I/O CH 1C (6-pin Phoenix) runs DH-485
1784-PKTXD	CH 1A (3-pin Phoenix) runs DH+ or remote I/O CH 1C (6-pin Phoenix) runs DH-485 Ch2 (3-pin Phoenix) runs DH+ or remote I/O
1784-PKTS	CH 1A (3-pin Phoenix) runs remote I/O
Maximum line lengths and communication rates	DH+: 10,000 ft. (3048 m) @ 57.6K bit/s 5,000 ft. (1,524 m) @ 115.2K bits/s 2,500 ft. (762 m) @ 230.4K bits/s DH-485: 4,000 ft. (1219 m) @ 1200, 2400, 4800, 9600 or 19,200 bits/s remote I/O: 2,500 ft. (762 m) @ 230.4K bit/s 5,000 ft. (1524 m) @ 115.2K bit/s 10,000 ft. (3048 m) @ 57.6K bit/s
Bus communications	Local PCI
LEDs	1 diagnostic/status LED per channel
Wiring category	2 ¹
Number of modules per system	4 maximum (specified by jumper on card)

¹ Refer to publication 1770-4.1, Industrial Automation Wiring and Grounding Guidelines for Noise Immunity.