
**Release Notes for ControlNet Universal PCI Scanner Card
1784-PKTCS Series B
Firmware Revision 4.10
Driver Version 3.35**

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System Requirements

The 1784-PKTCS ControlNet Universal PCI scanner card requires the following minimum configuration:

- PC with Microsoft .NET Framework 1.1 or later and one of the following operating systems:
 - Microsoft Windows XP with Service Pack 1 or higher
 - Microsoft Windows 2000 with Service Pack 4 or higher

Microsoft Windows NT 4.0 is **not** supported.

- Rockwell Software RSLinx Classic software, version 2.42.00 or later
- Rockwell Software RSNetWorx for ControlNet software
 - version 5.11.00 or later required
 - version 6.00.00 or later recommended

Logix Requirements

If you are using Logix controllers with your 1784-PKTCS card, Rockwell Software RSLogix 5000 programming software version 13 or later is required. If your Logix control program requires Electronic Keying for the 1784-PKTCS card to be set to Exact Match, version 15 or later is required.

PCI Compatibility

Series B cards are compatible with 5V and 3.3V PCI slots, 32-bit and 64-bit PCI slots, and PCI-X slots. Series B cards are **not** compatible with PCI Express and should **not** be inserted into a PCI Express slot.

Installation

Follow these steps to install a new 1784-PKTCS card.

1. Install IOLinx for ControlNet software.

TIP: If Microsoft .NET Framework 1.1 is not installed, the installer will prompt you to install it. After Microsoft .NET Framework is installed, repeat step 1.

2. Turn off power to your PC and insert the 1784-PKTCS card into a vacant PCI local bus expansion slot.
3. Turn on power to your PC and follow the instructions presented by the New Hardware Found Wizard. When prompted for the drivers for the card, browse to x: \Program Files\Rockwell Software\IOLinx\IOLinx for ControlNet\Drivers where x: \ is the drive where IOLinx is installed.

For detailed instructions on installing and configuring the 1784-PKTCS card, refer to [Publication 1784-IN042](#).

The ControlFLASH kit for updating the firmware in existing 1784-PKTCS cards is located in the [Firmware](#) folder. **IMPORTANT:** If you are using the card that came with this package, then your card already has the correct firmware. NO FIRMWARE UPDATE IS REQUIRED IN THIS CASE.

IOLinx API

The 1784-PKTCS card supports the IOLinx API. For instructions on creating your own custom control applications using the IOLinx API, contact your local Rockwell Automation sales representative or distributor regarding the IOLinx SDK, catalog number 9230-IOLINXSDK. The IOLinx SDK documents the IOLinx API function calls and the methods by which software applications interface with the API to read and write data to and from the scanner card. Using the IOLinx SDK, you can develop applications to communicate to scanner cards for direct control of sensors, actuators, discrete and analog I/O, drives, operator interfaces and other I/O devices.

Documentation

Supplementary documentation is included for your convenience. This documentation is located in the [Documentation](#) folder and includes manuals, brochures, and selection guides for Rockwell Automation products. For more information about any of this documentation, contact your local Rockwell Automation sales representative or distributor.

Adobe Acrobat Reader (included on the CD-ROM) is required to view this documentation. **NOTE:** Due

to its size, Adobe Acrobat Reader is not included in the compressed file when downloaded from the Web. Please visit <http://www.adobe.com/> to download Adobe Acrobat Reader.

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Corrected Anomalies in Firmware Revision 4.10

1. Previously, the card might transmit anomalous data that may potentially be received as a valid packet by another device (such as a controller or I/O adapter). This anomaly has been resolved.

Corrected Anomalies in Driver Version 3.35

1. Previously, the card might not automatically go online after restarting the host PC even though the card was already configured. This anomaly has been resolved.
2. For IOLinx API users, the PORT_CONNS_CONFIGURED bit in the ControlNet Port Status Word returned by the CNet_GetPortStatus() API is now set when connections have been setup in the 1784-PKTCS and the device driver has synchronized its connection list with the 1784•PKTCS connection list. The bit is cleared when all connections are deleted. Previously, the PORT_CONNS_CONFIGURED bit was not implemented.

Rockwell Automation Support

Rockwell Automation provides technical information on the web to assist you in using our products. At <http://support.rockwellautomation.com/>, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration and troubleshooting, we offer TechConnect Support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://support.rockwellautomation.com/>.

For more information about Rockwell Automation network products, visit the Rockwell Automation Networks web site at <http://www.ab.com/networks/>.

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