

2 Ports IEEE1284 Parallel CardBus



● Introduction

Thank you for purchasing the dual-port IEEE1284 PCMCIA Type II 32-bit PC card that widely used in varieties of portable systems. Each port offer data transfer rate up to 2.7Mbps with built-in ECP/EPP/SPP/ BPP operation modes to give you maximum system performance and efficiency via DB25 pin female connector. It's created for use in the commercial automation and as well ideal for home or office uses. This CardBus is your best solution to utilize your CENTRONICS peripheral with parallel port in an easy-to-use environment such as plug-n-play and hot-swapping function.

● Features

- Supports 32-bit Card Bus or PCMCIA Type II slot.
- Expands two IEEE1284 Parallel ports through 32-bit CardBus slot
- High performance SUN1888 Parallel controller on-board
- Support IEEE 1284-1994 parallel port standard
 - ECP(Enhance Capacity Port) / EPP(Enhance Parallel Port)
 - SPP(Standard Parallel Port) / BPP(Bi-direction Parallel Port)
- CardBus Hot-Swapping and Plug-n-Play function compatibility
- Certified by Microsoft WHQL, CE, FCC approval
- Support Linux, Microsoft Windows 2000, XP, and 2003

● Packing Content

Please check if following items are present and in good condition upon opening your package. Contact your vendor if any items are damaged or missing.

- PCMCIA Type II 32-bit Parallel Card Bus
- DDB44 to 2 ports DB25 female connector cable
- CD Driver
- User Manual



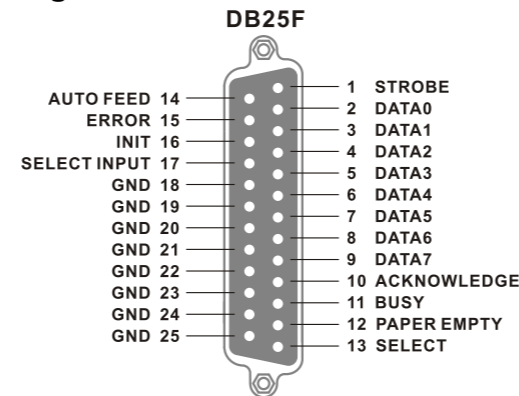
● System Requirements

- Pentium II or equivalent Notebook or PC computer.
- One available PCMCIA Type II 32-bit Card Bus slot.
- CD-ROM / DVD-ROM for drive installation.
- With Linux 2.2.x / 2.4.x and Microsoft Windows 2000 / XP operation system.

● Specification

Product Name	2 ports IEEE1284 Parallel Card Bus
Interface	32-bit PCMCIA Typell Card Bus
Controller	SUN1888 compatible IEEE1284c
IRQ & Address	Assigned by BIOS
I/O ports	One 44 Pin Female connector on CardBus Two serial DB25 Pin Female ports through cable
FIFO	32byte FIFO
Transfer rate	Support data transfer rate up to 2.7 Mbps
Mode	ECP / EPP / SPP / BPP
Power supply	Supply by PCMCIA BUS
OS support	Microsoft Windows 2000/ XP / 2003 Linux 2.2.x / 2.4.x
Dimation	132x58x21MM (LxWxH)
Certification	CE, FCC
Environment	Operation Temperature: 0°C~ 60°C Storage Temperature: -20°C~ 85°C Humidity: 5 ~ 95% RH

● Pin Assignment



● Hardware Installation

- Please plug the cable into the Parallel CardBus DB44F port, and lock it!!
- Please insert the Parallel Card Bus into your portable system or Notebook PCMCIA Type II 32-bit slot.

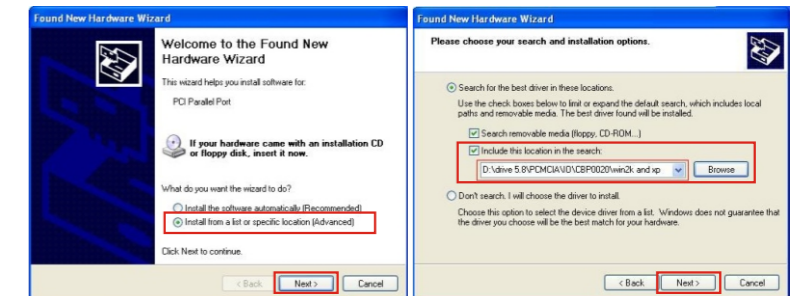


● Driver Installation

◆ Window 2000/XP/2003

- Power up the system.
- After inserting the Parallel CardBus into PCMCIA Type II slot successfully, please follow the instructions as below:
- System will show the "Found New Hardware Wizard" windows. Please insert the CD driver in your CD/DVD ROM, and select "**Install from a list or specific location**".
- Please specify the driver locate within folder of the attached driver CD :

:|PCMCIA|IO|CBP0020|Win2k and xp|



- System will search the "**PCI 4018 Multi-IO Adapter**" driver and show software installation warning windows. After installing driver successfully please select "**Finish**" to complete the driver installation steps.

NOTE:

The "Add New Hardware Wizard" windows will show up and re-install driver several times until you finish setting up each Parallel port.

◆ Linux

This parallel Cardbus supports Linux kernel 2.2.x and 2.4.x under RedHat version 6.0, 8.0 and 9.0 operation system. Please refer to the detail user manual in CD driver.

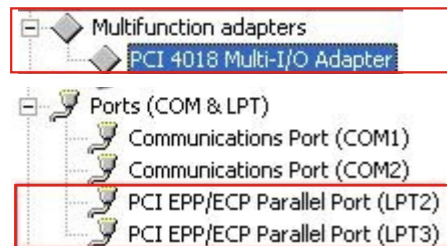
:|IO|PCI IO|Linux|

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● Verifying installation on your system

In order to make sure your Parallel CardBus installation completely, please click those informations will show in the device manager.

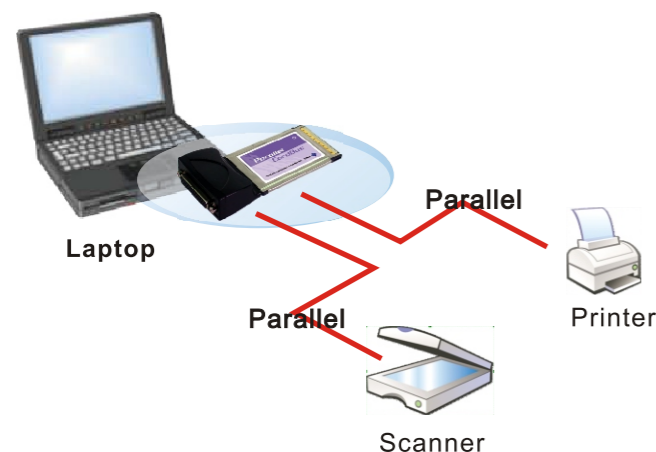
Start > Settings > Control Panel > System > Hardware > Device Manager



NOTE:

The LPT port 2 & 3 will be reverse under the Microsoft Windows XP operation system.

● Application



● Trouble Shooting

1. I can not install this CardBus under Windows CE, 95, 98 and NT O.S.

This CardBus does NOT support Microsoft Windows CE, 95, 98 or NT operation system. Please upgrade your O.S. to Windows 2000, XP or 2003.

2. How can I set the LPT port to the legacy 278 or 378 ISA address?

Because of PCI plug-n-play rule and windows operation system limitation, you can NOT remap to 278/378 legacy ISA IO address under Windows 2000, XP, and 2003 or Linux OS.

3. How come my parallel device can not work on this CardBus, but works properly under on-board LPT port?

- Please confirm your parallel device connect to the LPT port correctly.
- Make sure the LPT number you connected.
- Please try to connect another LPT port on the cable.
- Your parallel device only works under 278/378 legacy ISA IO address, this CardBus can not satisfy with this feature.

4. How to add my parallel device (e.g. Printer) via this CardBus LPT port?

- Be sure your parallel peripheral had connected to Parallel CardBus.
- Please check Control panel – Printers – Add Printer. The “Add Printer Wizard” will show up.
- Please install your printer driver, and select LPT 2 or LPT 3 PCI ECP/EPP Port to your device. Please click “Next”, and finish the add new printer step.



5. How can I set the different ECP / EPP / SPP / BPP operation mode?

On Windows OS such as WinXP/2K/2003, parallel CardBus will automatically communicate with the device to which it is connected and sets to that particular mode. For example if this Cardbus is connected to a printer that support SPP mode, then this parallel CardBus will communicate with this printer and will automatically set to SPP mode. It means that this card will automatically handshakes with the device to which it is connected and configures to that mode. User does not require changing to any particular mode. This parallel CardBus can not force setting particular mode by driver or BIOS!!

6. Does this card certificated by Microsoft WHQL approval?

Yes !! To further assure our customers in the reliability of this card and as well to ensure more stable systems and compatibility. We had put considerably great effort in driver development and improvement, and today our full line of serial/parallel communication cards are certified with Microsoft WHQL. This logo represent that this parallel CardBus driver had pass the Microsoft's Windows Hardware Quality Labs (WHQL), which is a verification test for compatibility of our hardware with Microsoft software.



7. What's RoHS- Green Products ?

RoHS - The Restriction on Hazardous Substances prohibits the use of lead, cadmium, mercury, hexavalent chromium, Polybrominated Biphenyl (PBB), and Polybrominated Diphenyl Ether (PBDE) flame retardants. Since the lead is one of the main elements of solder, manufacturers consider to implement the lead-free equipment in order to meet RoHS regulations. Our products are all "Green Products" and also satisfied with the EU's RoHS directive.

