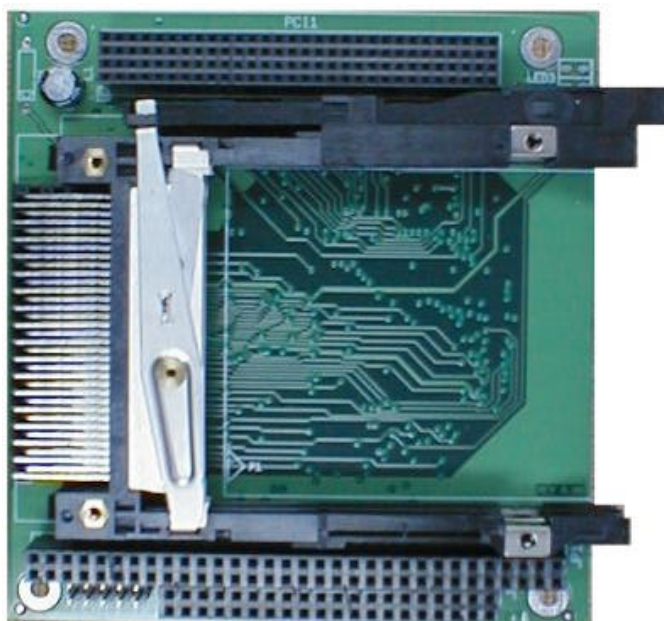


## CardBus2K Dual-Slot 32-bit Cardbus Controller for PC/104+



### General Description

The **CARDBUSK2K** provides a compact and cost-effective 32-bit CardBus Controller ideally suited to interfacing a wide range of high performance miniature peripherals to the PC/104+ bus. Compliance with CardBus, PCMCIA 2.1/JEIDA 4.2 and availability of full suite of PCMCIA support software ensures that the CARDBUSK2K is able to support the widest range of cards under DOS, Windows, Linux and a number of RTOS. The CARDBUSK2K features 2 32-bit Cardbus sockets and interfaces to the host PC/104+ computer over the high speed 32-bit PC/104+ bus. The Sockets provide a full 32-bit high speed interface to the PCI (PC/104+) bus and support Types I, II, III cards such as Fax/Modem, ISDN, GSM, GPRS, 802.11G WirelessLAN, BlueTooth, etc cards.

### Features

- 32-bit Cardbus and 16-bit PCMCIA cards
- Dual 32-bit CardBus Socket support
- 32-bit PCI Host bus for 802.11G WLAN
- Support for 'hot' insertion/removal
- High speed PCI bus for Video Streaming
- Linux, Windows-NT/2000/XP-E support
- Supports 5V and 3.3V CardBus Cards
- Automatic Power-Down
- Single +5V low power design
- Compact stackable PC/104 form factor

### Applications

- Mobile Wireless Access Router
- 802.11g Wireless Access Point application
- GPS Interface for PC/104+
- Supports widest range of cards including -
  - - WirelessLAN: 802.11g, 802.11b
  - - Comms: GPRS, Fax/Modem
  - - BlueTooth, ISDN, GSM, etc
  - - Storage: ATA Flash, CompactFlash
  - - IBM Microdrive

## CardBus2K Dual-Slot 32-bit CardBus Controller for PC/104+

<b>PC104+ Bus Interface</b>	Compliant with PCI Rev 2.2 132MBytes/sec bandwidth at 33.33 MHz bus speed PCI Bus Master supporting DMA PCI Bridging to 2 CardBus Sockets PCI Slave for access to internal registers PCI and ACPI Power Management compliant
<b>CardBus Sockets</b>	Two 32-bit CardBus Sockets Supporting Types I, II, III PC-Cards Compliant with CardBus, PCMCIA rev 2.1, JEIDA 4.1 5V or 3.3V PC-Card operation
<b>Host System Requirements</b>	PC/104+ bus with 1 spare REQ/GNT pair 30MHz to 33.3MHz PC/104+ (PCI) bus speed +5V or 3.3V PC/104+ bus signalling (jumper selectable) +5V power
<b>Miscellaneous</b>	Single +5V at less than 500mW Suspend Mode power at less than 20mW Operating Temp of 0 to 60degC (Extended Temp option) Standard 3.6 x 3.8in PC/104+ form factor
<b>Software</b>	Drivers for Windows95/98/NT/2000/XP-E, Linux Other Operating Systems such as QNX, VxWorks, pSOS, etc can be supported on request
<b>Ordering Information</b>	Cardbus2K
<b>Contact</b>	Pre-sales Tech Questions: <a href="mailto:info@ampltd.com">info@ampltd.com</a> Purchasing: <a href="mailto:sales@ampltd.com">sales@ampltd.com</a> Technical Support: <a href="mailto:support@ampltd.com">support@ampltd.com</a>

