

Serial2000

8-channel Serial Port Controller for PC/104plus



The Serial2000 provides eight asynchronous communications ports on a single low-power PC/104plus card. It provides an unprecedented level of serial port integration, performance and flexibility and is a cost-effective means of adding serial ports to a PC/104plus system.



The Serial2000 PC/104plus utilizes ultra-high performance industry standard UARTs with features to provide enhanced flow control at extremely high data rates. Each of the eight channels may be individually configured for RS232, RS422 or RS485 operation at asynchronous speeds in excess of 4Mbits/sec. The high bandwidth 32-bit PCI bus ensures that all eight channels can be operated concurrently at their maximum speed.

High-speed
data
throughput



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Up to four Serial2000 cards can be hosted on a single PC/104plus computer to provide up to 32 high-performance serial ports.

Software drivers are supplied for the most popular operating systems including Windows, Linux and RTOS such as VxWorks and QNX.



Rugged,
low-power
operation

Applications

PTZ camera control

Ideal for Multi-drop LAN applications

Vending Machines, POS, ATM systems

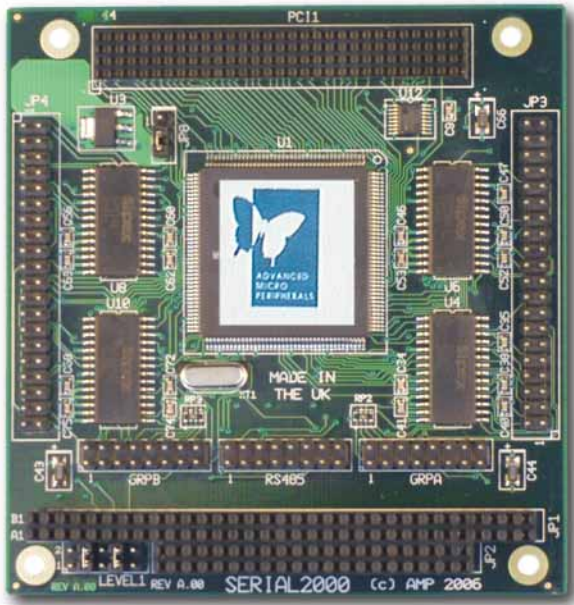
Embedded Internet server

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Features

- Easy configuration
- Single +5V power supply
- 64 Byte FIFO per channel
- Standard PC/104plus form factor
- High bus bandwidth PCI technology
- High-speed Asynchronous serial ports
- Flexible software/hardware handshaking
- Speeds in excess of 4Mbits/sec per channel
- UK design, manufacture and technical support
- Support for a wide range of Operating Systems
- Individually-configurable RS232/422/485 channels

Comprehensive
software support
across major
operating systems

Serial Ports

8 full/half-duplex serial ports
RS232, RS422, RS485 jumper-selectable per channel
RS232 Asynchronous speed in excess of 230.4kBaud
RS422/485 Asynchronous speed in excess of 4Mbits/sec
64Byte FIFO per channel
32-bit PC/104plus PCI Bus interface

Modem control lines

CTS, DSR, RI, DCD, DTR, RTS per RS232 channel

Physical connectors

PC/104plus bus top and bottom stackable pass-through
2 Serial ports 40 pin 0.1 inch headers

Miscellaneous

Single +5V at less than 800mA
Operating temp of 0 to 60°C or -40°C to +85°C (extended temp option)
Top and Bottom stackable PC/104plus, PC/104 pass-through
Standard 3.6 x 3.8in PC/104plus form factor

Drivers and Libraries

Windows 2000/NT/CE/XP-Embedded
Linux
QNX
VxWorks

Related Products

Synchro104	PC/104 8-port HDLC/SDLC communications controller
Micro886ULP	Ultra Low Power PC/104+ Crusoe Computer
Tiny886ULP	Ultra Low Power PC/104+ Crusoe Computer
Tiny-C3 High	Performance PC/104+ Computer
Tiny-GX86	Ultra Low Power PCI-104 computer

Ordering Information

Serial2000-8	Serial2000 with 8 serial ports
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