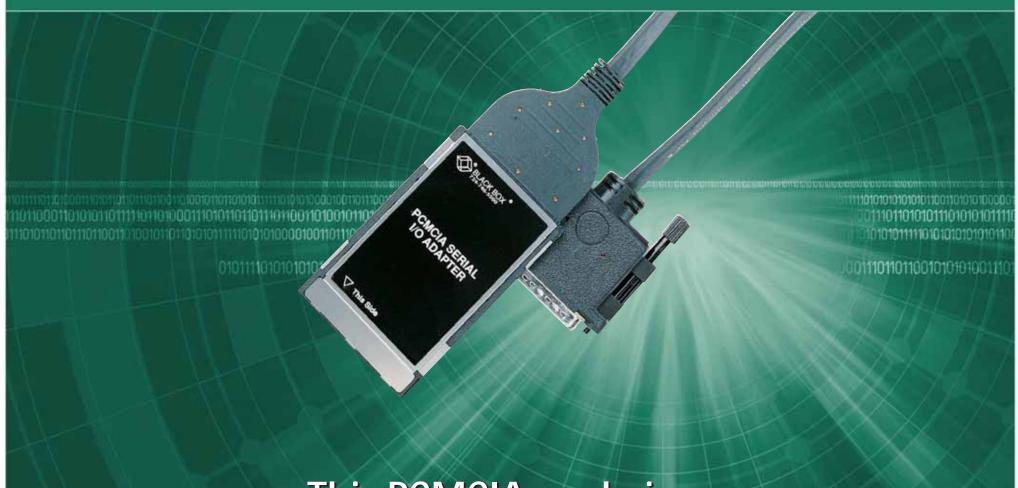## PCMCIA Serial I/O Adapters

This PCMCIA card gives you an extra comm port!

FEATURES

- **Remotely control RS-232 or RS-422/485 devices.**
- **RS-232 distances up to 50 feet; RS-422/485 to 4000 feet.**
- **Transfer sync data at speeds up to 200 kbps using sync model.**
- **Transfer async data up to 460.8 kbps using 16850 UART models.**
- **Connect two serial devices with dual-port card versions.**
- **Interface cable and drivers included.**

OVERVIEW

With PCMCIA Async Serial I/O Adapters, you can open your notebook or portable up to a wide variety of RS-232 and RS-422/485 applications. With the cards, you add the flexibility of compact mobile communications to your system.

Take advantage of the noise-resistant RS-422/485 line to connect your notebook to distant peripherals (up to 4000 feet or 1219 meters). Or take advantage of RS-232 communications to connect to a wide variety of peripherals over short distances (50 feet or 15.2 meters). Unlock the full power of today's robust operating systems to make your communications tasks easier than ever before. These cards offer a degree of versatility that's unmatched by other PCMCIA cards.

We've taken the features usually reserved for full-size "AT" bus cards and packed them into these credit-card-size adapters. The async adapter cards use 16550 or 16850 UARTs to provide reliable high-speed serial communications.

Add the speed and power of our PCMCIA Serial I/O Adapters to your notebook or laptop computer and you have the perfect mobile development system. Four single-port models are available—two for RS-232 and two for RS-422/485 communications interfaces. We also offer two dual-port models with two RS-232 interfaces.

Each card includes a cable with locking connectors to prevent accidental disconnects.

With the single-port cards, you're given a high-quality cable that terminates in an industry-standard DB25 connector. The dual-port cards come with two DB9-terminated interface cables.

All PCMCIA Serial I/O Adapters include drivers for Windows® 95/98/Me, Windows NT®, and Windows 2000. The cards are also compatible with all other PCMCIA-compatible operating systems including DOS, Linux®, and QNX. Our software utilities will get you up and running in no time.

All cards comply fully with PCMCIA Type II specifications.

Single-Port PCMCIA Serial I/O Adapters

These cards give you one additional high-quality comm port. Order one of the async models if you want to connect to async bar-code readers, scales, or RS-232 peripherals. For protocols such as SDLC, HDLC, X.25, and for synchronous communications, choose our sync model.

Async models include a utility disk for diagnostics, and the sync version includes developer's tool kit software. Some sync protocols require programming through APIs.

For async, you can choose between 16550 UART models (IC114A-R2–IC115A-R2) with 16-byte FIFO buffers and a 16850 UART model (IC184C-R2) with 128-byte FIFO buffers. The sync model (IC117A-R2) features a Zilog™ 85233 SCC (serial communication controller). Speeds vary from up to 115 kbps

with the IC114A-R2 to 460.8 kbps with the IC184C-R2 for the async cards, and up to 200 kbps for the sync adapter.

Setup is simple. There are no jumper selections or DIP switches to fiddle with; autoconfiguration is standard.

Dual-Port Async PCMCIA Serial I/O Adapters

The Dual-Port Async PCMCIA Serial I/O Adapter supports simultaneous RS-232 connections to two super-fast serial devices for the price of just one card. You can add two serial ports to your laptop or notebook computer by using the PCMCIA Type II slot. Use the adapter card to connect to modems, terminals, printers, or other data collection equipment.

The IC118A has two 16550 UART chips with built-in 16-byte buffers/ This way, the card can eliminate the processing delays of slower serial ports. It supports all major card and socket services software, too.

As with IC118A, the high-speed card version (IC119A) provides two RS-232 connections on one card. But it's much faster, supporting data rates up to 460.8 kbps!

The IC119A adapter is based on two XR16C850 UARTs (which are compatible with 16850 UARTs) with enhanced 128-byte FIFO buffers. The super-high performance of the 16850 not only produces a high data rate, but also takes over some of your PC's processing load, resulting in the much faster throughput.

TECH SPECS

CE Approval — Yes

Communications Chip — IC114A-R2, IC115A-R2: (1) 16550 UART;
   IC184C-R2: (1) 16850 UART;
   IC117A-R2: (1) Zilog 85233 SCC (serial communication controller);
   IC118A: (2) 16550 UARTs;
   IC119A: (2) 16850 UARTs

System Requirements — PC, notebook, or laptop with a Type II PCMCIA slot, and a 3.5-inch floppy drive

Speed — IC114A-R2–IC115A-R2, IC118A: Up to 115.2 kbps;
   IC184C-R2, IC119A: 460.8 kbps (sustained);
   IC117A-R2: Up to 200 kbps

Connectors — IC118A–IC119A:Interface cable (included): (2) DB9 M to PCMCIA Type II dongle;

All others — Interface cable (included): DB25 M to PCMCIA Type II dongle

MTBF — 115,000 hours

Temperature — Operating: 32 to 122°F (0 to 50°C)
   Storage: -4 to +158°F (-20 to +70°C)

Humidity — Up to 90%, noncondensing

Power Source — PC bus (5V current supply)

Size — Type II PCMCIA

Weight — <1 lb. (<0.5 kg)

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Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

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- **You wait more than 30 minutes to get through to a vendor's tech support.**
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Don't waste time and money—call Black Box today.

WHAT'S INCLUDED

IC114A-R2, IC117A-R2, IC184C-R2:
- ✦ Adapter
- ✦ Installation software diskettes
- ✦ Interface cable, (1) DB25 male to (1) PCMCIA Type II dongle
- ✦ User manual

IC118A, IC119A:
- ✦ Adapter
- ✦ Installation software diskettes
- ✦ Interface cable, (2) DB9 male to (1) PCMCIA Type II dongle
- ✦ User manual

IC115A-R2:
- ✦ Adapter
- ✦ Installation software diskettes
- ✦ Interface cable, (1) DB25 male to (1) PCMCIA Type II dongle
- ✦ DB25-to-DB9 adapter
- ✦ User manual

Item	Code
Single-Port PCMCIA Async Serial I/O Adapters	
RS-422/485	
16550 UART	**IC114A-R2**
16850 UART	**IC184C-R2**
RS-232	
16550 UART	**IC115A-R2**
Single-Port PCMCIA Sync Serial I/O Adapter, RS-232	
Zilog 85233 SCC	**IC117A-R2**
Dual-Port Async PCMCIA Serial I/O Adapters, RS-232	
Dual Serial, 16550 UARTs	**IC118A**
Dual High-Speed, 16850 UARTs	**IC119A**

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