



BCOM-104 2 Channel PC-104 Form Factor I/O Board



The ASE BCOM104 is a dual-channel, multi-function, PC-104 Bus I/O board. While designed primarily for use in the SCADA market, it can be easily used with most PC-based serial application packages. Features include:

- Support for bit and byte communication
- Operation in RS-232 or RS-485 mode
- Communication speeds up to 56KB
- Programmable watchdog timer
- Drivers for Windows 95, 98, ME, NT, 2000, and XP

I/O Channel Configuration

Each BCOM channel is treated as a separate COM port and is independently configurable for baud rate, asynchronous or synchronous operation, RS-232 or RS-485 communication, constant or switched carrier, full or half duplex, and optional inclusion of a RS-485 terminating resistor.

Watchdog Timer

The watchdog timer consists of a re-triggerable timer circuit and contact closure. When the Watchdog Timer is enabled (optional), the application program must periodically reset the timer to prevent a time-out condition. If a time-out condition occurs, a contact closure occurs which can be used to activate the computer reset line (re-boot) or to activate other equipment such as an audible alarm. Reset period can be programmed from 1 msec to 65 seconds.

System Software Support

Windows 95, 98, ME, NT, 2000, and XP I/O drivers are available as part of the BCOM-104 card package and provide support for most standard COM functions plus support for bit oriented protocols. In addition, the drivers provide access to the watchdog timer.





Pricing

Each channel connects to the serial communication network via a male IDC-10 connector. Each card is shipped with two IDC10 to DB-9 cables, and a watchdog timer cable. Prices are:

Item	Description	Price US \$	Quantity	Notes
PC-104 Board	2-channel serial RS-232/RS-485 I/O card for PC104 Bus	375	1 – 9	Board only prices.
		337	10 – 19	
		300	20 +	

Minimum quantities may apply to initial orders. Please contact Applied Systems Engineering for more information.

