

## Applications

Intellicon adapters are intelligent asynchronous serial communication adapters that allow you to connect multiple terminals, modems, printers, barcode readers, or other serial devices to ISA bus compatible computers. Intellicon adapters are ideal solutions for communications, data acquisition, industrial automation, office automation, POS, and scientific/instrumentation applications requiring multi-channel serial data collection and processing.

*Quality and reliability since 1985*



## Specifications

	Intellicon-2	Intellicon-4	Intellicon-8	Intellicon-6+2
Number of ports	2	4	8	8
Interface	RS-232C or RS-485	RS-232C and/or RS-485	RS-232C	6 ports: RS-232C 2 ports: RS-485
Connectors (Call Connect Tech for custom connector requirements)	RS-232C: DB9 male RS-485: DB9 female	<i>Intellicon-4</i> RS-232C: DB25 male or female, DTE or DCE RS-485: DB9 male  <i>Intellicon-2+2</i> RS-485: DB9 female	<i>Cable Harness</i> RS-232C: DB25 male or female, DTE or DCE (cable harness)  <i>I/O Connector Box</i> RS-232C: DB25 female, DCE and RJ-45	RS-232C: DB25 male DTE RS-485: DB9 male
Control Signals	RS-232C: RTS, DTR, TxD, DCD, CTS, RxD RS-485: RTS, TxD, CTS, RxD			
Baud Rates (Maximum)	38.4K on all ports			
On-board Processor	Zilog Z80B			
Communication Controllers	Zilog Z80B DARTs			
Memory	64K SRAM			
Addresses	Memory and I/O port addresses are DIP switch selectable			
Interrupts	IRQ lines are jumper selectable from 2 to 7, 10, 11, 12, 14, 15			
Dimensions	<i>Length:</i> 27.78 cm <i>Width:</i> 10.60 cm		<i>Length:</i> 33.60 cm <i>Width:</i> 10.60 cm	
Power Requirements	<i>RS-232</i> +5 VDC @ 660 mA (typical) +/-12VDC @ 38 mA (typical)  <i>RS-485</i> +5 VDC @ 700 mA (typical)	<i>RS-232</i> +5 VDC @ 860 mA (typical) +/-12VDC @ 76 mA (typical)	<i>RS-232</i> +5 VDC @ 1.1 A (typical) +/-12VDC @ 110 mA (typical)	<i>RS-232 and RS-485</i> +5 VDC @ 1 A (typical) +/-12VDC @ 1 A (typical)
Environmental Requirements	Temperature: (operating) 0° to 60° C Humidity: 90% non-condensing Altitude: 15,000 feet (5000 metres)			
Regulatory Approvals	FCC Class A ICES-003 EN50082-2 EN55022 Class A UL Flame Rating: UL94V-0			
Drivers	DOS; QNX; SCO XENIX; SCO UNIX; Windows 3.XX/NT (call Connect Tech for most current list)			
System Requirements	One full expansion slot; one available IRQ line; one available 64KB segment in the first megabyte memory address space			

## Benefits

### High Speed Communications

Intellicon boards provide rapid data transfer rates up to 38.4K baud on all ports. Each port has independent baud rate selection.

### Transparent Print

One port for both printer and terminal. Transparent print provides the concurrent operation of printers attached to terminals while the terminal is in use.

### Intelligent Communications Processor

Intellicon's on board processor and dual-ported RAM off-loads the burden of managing communications from the main CPU. The user can software select options such as Edit, Echo, I/O Flow Control and Character Translation to be processed on the Intellicon. The result is efficient I/O communications and better processing performance for the host system.

### Hardware and Software Flexibility

Intellicon adapters support a number of popular multi-user operating systems such as DOS, QNX, UNIX, Windows 3.XX/NT. Custom software can be downloaded to the on-board RAM to support specialized protocols. Multiple Intellicon boards

may reside in a computer to accommodate large multi-user environments. Memory addresses, I/O port addresses and interrupt request lines are switch and jumper selectable.

### Easy to Use

Intellicon products come ready for simple installation. Included are software, board,

cable assembly and a comprehensive manual.

### Warranty and Service

Every Connect Tech product is built and tested to meet high standards of quality and reliability. Intellicon products are covered with a one year warranty.



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