Echo/ISA

Applications

Echo/ISA adapters offer eight asynchronous RS-232 and/or RS-422/485 serial ports for connecting data collection devices, barcode readers, time clocks, scales and many other serial devices. Echo/ISA adapters provide flexible, industrial strength solutions for control and automation applications using ISA bus compatible computers.

Features

- Eight asynchronous serial ports
- RS-232 and/or RS-422/485 electrical interfaces
- Supports data communications speeds up to 115.2 Kbps
- ST16C554 UARTs with 64 bytes of TxD/RxD FIFO buffers control each port
- Eight pre-defined sets of I/O addresses are DIP switch selectable
- IRQ lines are jumper selectable with a choice of IRQ lines 3, 4, 5, 7, 10, 11, 12, 15. Echo/ISA adapters can be set to run on one, two, or no interrupts
- Independent port configuration with baud rates from 50 bps to 115.2 Kbps, data bits of 5, 6, 7 or 8; stop bits of 1, 1.5, or 2, and odd, even, or stick parity
- A choice of DB-9 or DB-25 cable harness connectors, RJ-45 module or DB-9 external connector box (custom connector solutions offered as well)
- Easy installation includes a comprehensive manual and driver software

Benefits

High Performance Communications
Achieve reliable data transfer rates up to 115.2 Kbps. ST16C554 UARTs offer 64 bytes of FIFO buffers.

Hardware Flexibility
Echo/ISA adapters provide the option of RS-232 or RS-422/485 electrical interfaces, including an available 4 RS-232 plus 4 RS-422/485 configuration. Multiple Echo/ISA boards may reside in a computer to accommodate large multi-user or multi-channel I/O requirements. Port addresses and interrupt lines are DIP switch and jumper selectable. You can configure each port's baud rate, parity, data and stop bits independently and various connector options are offered to suit your needs. These features offer more hardware flexibility and adaptability for your application needs.

Software Compatibility
Echo/ISA adapters support the most popular operating systems such as Linux, QNX, Solaris, SCO Unix, Windows 95/98/Me, Windows NT/2000, and Windows XP. This provides you with more software flexibility for your communication needs.
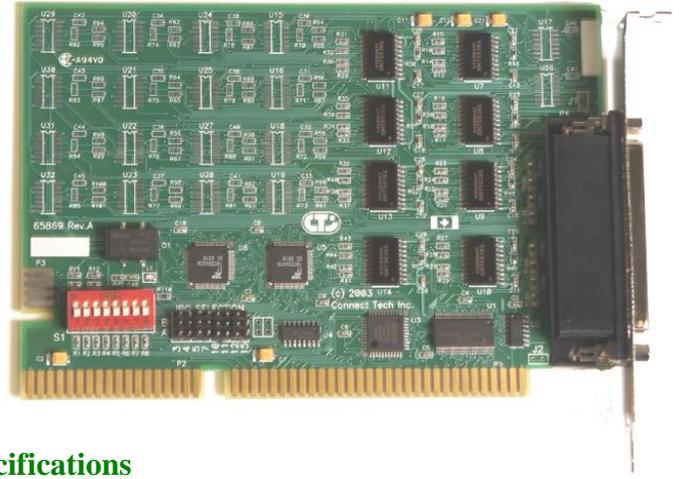
Easy to Use
The Echo/ISA adapter comes ready for simple installation. Included are board, driver software, cable harness and a comprehensive manual.

Diagnostics Tools
The Echo/ISA adapter includes the Windows 95/98/Me software data line analyzer, SeePORT to help you diagnose communication problems and therefore minimize downtime.

Warranty and Service
Connect Tech, an ISO 9001 registered company, has provided high performance communication solutions since 1985, building and testing products to meet high standards of quality and reliability. The Echo/ISA adapter, like all Connect Tech products, is covered by our excellent, no cost customer support and a Lifetime Warranty.

Specifications

	Echo/ISA
Number of ports	8
Electrical Interface	RS-232 and/or RS-422/485
Connectors	DB-9 or DB-25 male cable or connector box (custom connector solutions offered)
Control Signals	*RS-232*: RTS, CTS, TxD, RxD, DCD, DTR, DSR, RI *RS-422/485*: TxD±, RxD±, CTS±, RTS±
Baud Rates	50 bps – 115.2 Kbps
I/O Addresses	Eight pre-defined sets of I/O addresses are DIP switch selectable - requires one set of eight addresses
Interrupts	Jumper selectable for IRQs 3, 4, 5, 7, 10, 11, 12, 15
UART Type	16C554 with 64 byte TxD/RxD FIFO buffers
Dimensions	Height: 10.6 cm Length: 16.4 cm Width: 1.8 cm
Environmental Requirements	Temperature: (operating): 0º to 70ºC (storage): -60º to 100ºC Humidity: 5% - 90% non-condensing
Bus	ISA bus compatible 8 bit or 16 bit slot.
Software Compatibility	Linux, QNX, Solaris, SCO Unix, Windows 95/98/Me, Windows NT/2000, Windows XP (contact Connect Tech for most current list)
System Requirements	One half slot and an available hardware interrupt(s).
Power *(Typical @20°C; +20%, -5% on DC value)*	*RS-232:* +5V +/-5% @ 100 mA +12V +/-10% @ 5 mA (no driver loads) @ 100 mA (all drivers loaded) -12V +/-10% @ 4 mA (no driver loads) @ 100 mA (all drivers loaded) *RS-422/485:* +5V +/-5% @ 125mA (no driver loads) @ 445mA (all drivers loaded)

Please call for more information about our industrial strength communication products

✓**RoHS**

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Quality and Reliability since 1985

ISO 9001 CERTIFIED

SCO OK SOLARIS WORKS WITH QNX Works with Microsoft Windows Linux