MultiModemPC
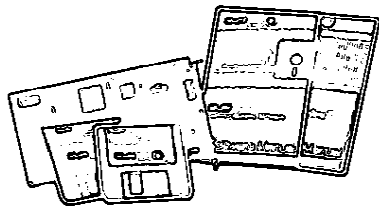
Models and Description:

- MT2834BC - Internal enhanced V.34 modem for 8- or 16-bit ISA-bus computers.

Data Rates:	33.6K, 31.2K, 28.8K, 26.4K, 24K, 21.6K, 19.2K, 16.8K, 14.4K, 12K, 9.6K, 7.2K, 4.8K, 2.4K, and 0-300 bps
Integrity:	V.42 error correction
Compression:	V.42bis or MNP Class 5
Commands:	AT & V.25bis

Fax Standards

Modulation & Speed:	V.17 for 14.4K bps and Group 3 for 9.6K & 4.8K bps
Format:	T.4 compressed bitmap
Handshake:	T.30
Commands:	EIA TR.29 Class 2

Functional

Interface:	RS232C/D
Usage:	Dial-up lines

Physical/Electrical/Environmental

Dimensions:	0.9" W x 4.8" H x 6.8" L 2.3 cm x 12.2 cm x 17.3 cm
Weight:	4.4 oz (125 g)
Buffer:	60 character
ROM:	FLASHPROM for DSP and controller firmware updates
Cable:	15' phone cord
Control:	Volume control
Connectors:	2 RJ11 jacks, for telephone and PSTN line connections
Humidity:	20-90% (non-condensing)
Power:	300mA @ 5vDC
Temp:	32° to 120° F (0° to 50° C)
Humidity:	20-90% non-condensing
Xmit Level:	-10 dBm dialup
Rcv Sens:	-43 dBm under worst-case conditions
AGC:	43 dB
Freq. Stab:	±0.01%

Certification

FCC:	See Owner's Manual
BABT:	See Owner's Manual
REN:	See Owner's Manual
Warranty:	Five years

Manufactured in Mounds View, MN, U.S.A.

General Description:

Internal, feature-rich data/fax modems for corporate environments.

The MultiModemPC™ (model MT2834BC) is an internal enhanced V.34 (33.6K bps) modem that handles data or fax communication for an ISA-bus computer.

The MT2834BC uses intelligent serial port technology to provide data reliability that surpasses 16550 serial ports. Intelligent serial port technology results when a communications processor on the modem handles the line activity and buffers data for the CPU. By emulating a 16550 UART, the MT2834BC ensures compatibility with any UNIX*, Xenix™, DOS*, or Windows*-based communication software as though it were an external modem connected to a traditional or buffered COM port.

The MT2834BC supports data rates up to 33.6K bps and effective throughputs to 115.2K bps when its V.42 error correction and V.42bis data compression are active.

The MT2834BC sends and receives faxes using the V.17 standard for PC-to-PC faxing at 14.4K bps. It is backward compatible with the Group 3 fax standard used by most fax machines for 9600 bps transmissions.

Features:

Remote configuration, Callback security, UUCP spoofing, & Extended addressing.

Extended Addressing
- The MultiModemPC may be installed as a COM-port replacement (using standard COM port IRQ/Base Address combinations) or as an expansion card with extended addressing and IRQ options.

Remote Configuration
- Password-secured setup menus let you or a tech support specialist configure your modem from your PC or through a datacomm link.

Callback Security or Automatic Dialing
- Nonvolatile memory stores up to ten 55-character automatic dialing strings or callback security phone number links.

Patented UUCP Spoofing
- Multi-Tech's patented UUCP "spoofing" augments UNIX batch file transfer throughputs by effectively disabling the software-based error correction so the modem's more efficient hardware error correction may operate.

Intelligent Features
- Speed detection negotiates highest common data rate between two modems.
- Fallback (poor line conditions) & return (line improvements) in 2400 bps steps.
- Speed conversion compensates for differences between the serial port rate and the line speed.
- Xon/Xoff, CTS/RTS, or ENQ/ACK flow control.
- AT-command compatible, autodial, redial, repeat dial, dial linking, pulse or tone dialing, dial pauses, call status display, auto-parity and data-rate selection, keyboard-controlled modem options, and DTMF tone detection.
- Flash memory for data pump and controller firmware updates.

Specifications:

Requires an ISA-bus PC and datacomm or fax software.

Datacomm Standards
Modulation: Enhanced V.34, V.34 , V.32bis, V.32, V.22bis, V.22, and Bell 212A & 103

MultiTech® Systems

The right answer every time.