

BR-Series Rackmount Modems and DSU

Models and Description:

- MT2834BR - Enhanced V.34/V.17 data/fax rack modem.
- MT2834BLR - MT2834BR with 4-wire leased line support and dial back-up.
- MT56DSU/R - 56K bps rackmount CSU/DSU.

General Description:

Full-featured modems and DSU cards for the CC1600-Series card cages.

The BR-Series rackmount modems and the rackmount MultiDSU™ are communication resources designed for easy installation, consolidation, and maintenance.

Model MT2834BR is an enhanced V.34 (33.6K bps) modem, designed for operation over dial up or 2-wire leased lines. Model MT2834BLR is an enhanced V.34 (33.6K bps) modem that includes additional support for 4-wire leased lines and dial backup.

Both models supports Group 3 (V.29 for 9600/4800 bps) and V.17 (14.4K bps) fax.

The rackmount MultiDSU, model MT56DSU/R, is a 56K bps rackmount DSU card for connection to dedicated 56K bps or sub-rate (e.g., 2400 to 19.2K bps) digital service. It contains the circuitry of a data service unit (DSU) and channel service unit (CSU) for a complete digital service link device.

Both modem and DSU models support sync or async equipment, and the MultiDSU may be configured for a point-to-point or multi-point network installation.

One system consists of a CC1600-Series card cage with a power supply and one to sixteen modem or DSU cards.

Each BR-Series modem or MultiDSU installs in a powered slot of a CC1600-Series card cage through which the data port and phone line or digital service connections are made.

Model MT2834BR ships with an RJ11 cable and a self-adhering overlay that labels its LEDs. Model MT2834BLR and the MultiDSU ship with their respective overlays for proper LED labeling on the card cage's front panel.

Both models may be installed in the optional stand-alone case (model SAx16) for desktop use.

Features:

Hot-swappable rackmount modem and DSU cards for sync or async equipment.

Modem Features

- Full- or half-duplex operation with sync or async equipment over dial-up or 2-wire leased lines.
- MT2834BLR also supports a 4-wire leased line and a dial-up line for leased-line backup.
- Automatic line rate detection and adjustment.
- Speed conversion (between differing serial and line speeds) maximizes data compression.
- Remote configuration allows password-protected access to modem parameters and diagnostics.
- Modem falls back in 2400 bps steps (when line conditions deteriorate) rather than disconnecting. Automatic returns (same increments) as line conditions improve.
- V.42 error correction (MNP® Class 3-4 & LAPM).
- V.42bis (4:1) or MNP Class 5 (2:1) compression.
- "AT command" compatible, autodial, redial, repeat dial, pulse or tone dial, dial pauses, call status display, and auto-parity, keyboard-controlled modem options, callback security, Caller ID, DTMF tone detection, V.25bis dialing, nonvolatile memory for modem settings, and help menus.
- Diagnostics: Local Analog Loop, Local Digital Loop, Remote Digital Loop, Automatic Self Test on Power-Up.

- Multi-Tech's patented UUCP spoofing for increased batch transfer throughputs.
- DIP-switch activated settings for reliable operation with an AS/400® host.
- Fax receive mode has settings for "Fax only", "data only", or "auto-detect" (auto-detect mode requires the sending fax to issue "CNG" tone).
- Flash memory for data pump and controller firmware updates.

Specifications:

Requires one CC1600-Series card cage and a PS1600 or PS1648 power supply for every sixteen modems or DSUs.

Modem Specifications

Data Rates: 33.6K, 31.2K, 28.8K, 26.4K, 24K, 21.6K, 19.2K, 16.8K, 14.4K, 12K, 9.6K, 4.8K, 2.4K, 1.2K, and 0-300 bps

Fax Speeds: 14.4K, 9.6K, and 4.8K bps
Integrity: V.42 LAPM and MNP Classes 3&4 error correction

Compression: MNP Class 5 (2-to-1) and V.42bis (4-to-1)

Operation: Full duplex (over dial-up or leased lines)

LEDs: SD, RC, CD, various data rates, OH, TR, ERR, and FAX

Common Modem/DSU Specifications

Dimensions: 5.5 x 0.9 x 10.5"
14.0 x 2.2 x 26.7 cm

Weight: 1.5 lbs. (.68 kg.)

Data Format: Sync or async

Freq. Stab.: ±0.01%

Rcv. Sens.: -45 dBm worst-case conditions (-45 dBm for DSU operating at 56K bps)

Warranty: Two years (see Owner's Manual)
Manufactured in Mounds View, MN, U.S.A.

Individual spec sheets are available for CC1600-Series rackmount hardware and the MT56DSU2, which is functionally equivalent to the MT56DSU/R. Please refer to P/N 86000140 for more information about the MT56DSU/R.

MultiTech® Systems

The right answer every time.

Multi-Tech Systems, Inc.
2205 Woodale Drive
Mounds View, MN 55112
United States
TEL: (612) 785-3500/(800) 328-9717
FAX: (612) 785-9874
BBS: (612) 785-3702/(800) 392-2432
Tech Support: (800) 972-2439
Fax Back: (612) 717-5888
Web Site: <http://www.multitech.com>
FTP Site: <ftp://ftp.multitech.com>

Multi-Tech Computers (U.K.) Ltd.
Unit 1, Thames Court
2 Richfield Avenue
Reading, Berkshire RG1 8EQ
United Kingdom
TEL: +(44) 1189-597774
FAX: +(44) 1189-597775
BBS: +(44) 1189-595564

Multi-Tech Systems, Inc., has International offices in China, France, Germany, India, Mexico, the Netherlands, and the United Kingdom. For more information, contact Multi-Tech world headquarters at (800) 328-9717 or (612) 785-3500.

Trademarks: Multi-Tech, MultiDSU and the Multi-Tech logo: Multi-Tech Systems, Inc. MNP: Microcom Corporation. AS/400: International Business Machines Corporation.

Patent: Modem Spoofing Initiation Protocol - U.S. patent # 5,309,562.

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