



# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### Rack for 16 x V.34 Modems

#### Key Features

- ▶ **Each card cage requires one PS1600 power supply.**
- ▶ **A second PS1600 may be added so that the system stays up even if the power supply fails.**
- ▶ **High-capacity modem/DSU consolidation**
- ▶ **Each CC1600-Series card cage houses and powers up to 16 modem or DSU cards using a single power outlet.**
- ▶ **Hot-Swappable Construction**
- ▶ **All BR-Series modems and rack DSUs are hot-swappable for easy installation, removal, or replacement without powering down the card cage.**
- ▶ **Both power supply models are "hot-swappable," which means they may be installed or removed without powering down the system.**

### Centralise up to 16 Modems on one rack

#### Overview

The RMF1600-Series card cage houses the hot-swappable BR-Series modems (including BR and BLR models). One system consists of a card cage with a hot-swappable power supply and one to 16 modem. A second power supply may be added for redundancy.

The card cage provides connections for power, data ports, and phone line or digital service through a common backplane. It mounts in an industry-standard (19 inch) equipment rack.

The card cage's data port connectors are 25-pin D0style connectors, which may be used for synchronous data transfer to the modem and may operate using RS232C/D or V.35 interface. The RMF1628-11 features an RJ11 connector for each modem.

The RMF1628-11 model is customised for the MD2834BR and MD2834BLR modems, featuring silk-screened labelling for each V.34 modem.

The PS1600 is a hot-swappable power supply with universal. (90-245v AC0 input)

#### SYSTEM ADVANTAGES

- 16 RJ-11 modular phone jacks
- Universal input, hot-swappable power supplies and card cages with European-style 230v AC power cord.
- Second power supply provides for redundant power
- Available with generic overlay (for a mixture of device types and speeds) or with V.34 modem LED overlay (for 28.8K and 33.6K bps modems)

## MODEM ADVANTAGES

All of the BR-series modems have the following features and specifications. Specific models may have additional features.

- Data Standards : Enhanced V.34 for data rates to 33.6 Kbps
- Intelligent Features :
- Automatic dial (stores 10 numbers)
- Automatic answer
- Speed conversion
- Automatic rate detection
- Remote configuration
- Usage :  
Sync or async equipment over dial-up or 2-wire leased lines with an RS-232C/D interface.
  
- Patented UUCP Spoofing
- AS/400 settings
- DTMF tone detection
- Flash memory for firmware updates.
- Callback security

## SPECIFICATIONS

### CARD CAGE

Dimensions	48 x 18 x 37.5 cm
Weight	5.4 kg
Capacity	Holds up to 16 BR-Series modem or DSU cards
Connectors	One 3-prong grounded receptacle for AC power cord 16 DB-25 (female) data ports 16 RJ11 jacks 50-pin (male) connectors for RJ21 connection

### POWER SUPPLY

Dimensions	17.8 cm x 4.8 x 30.5 cm
Weight	0.8 kg
Input	PS1600 – 90 to 245v AC PS1648 – 40 to 72v DC
Power	70 watts full load
Output	5v DC and +/- 15 DC regulated
LEDs	One LED indicates all outputs are good
Fan	DC fan for cool operation
Switches	One power On/Off switch per power supply
Temperature	0° to 50°C

## Ordering Information

Item	Product Code
V.34 Fax / Modem Card	
STN only	MD2834BR
2/4-Wire Leased Line, STN	MD2834BLR
16-Card Rack	RMF1628-11
85-250-VDC Power Supply	PSF1600