Product Specifications

BOCA
R E S E A R C H   I N C

Product Name:
Boca PRO16 Rack System

Product Codes:
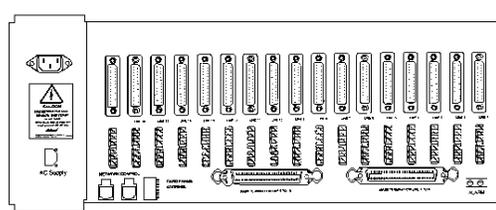
PRO16RK: Boca PRO16 Rack Chassis
PRO16RM: Boca PRO16 Rack Modem
PRO16RC: Pro16 Rack Controller
PRO16RP: Pro16 Rack Power Supply

The Boca PRO16 Rack System, along with the PRO16 Rack Controller, is SNMP-compatible and enables the building of complete data communication networks using Boca quality and high technology in both existing rack and stand-alone environments. The Rack Series offers V.34 technology with a powerful 16-bit processor, 28,800bps data transmission speed, V.42bis data compression, V.42 error control, and 14,400bps fax transmission.
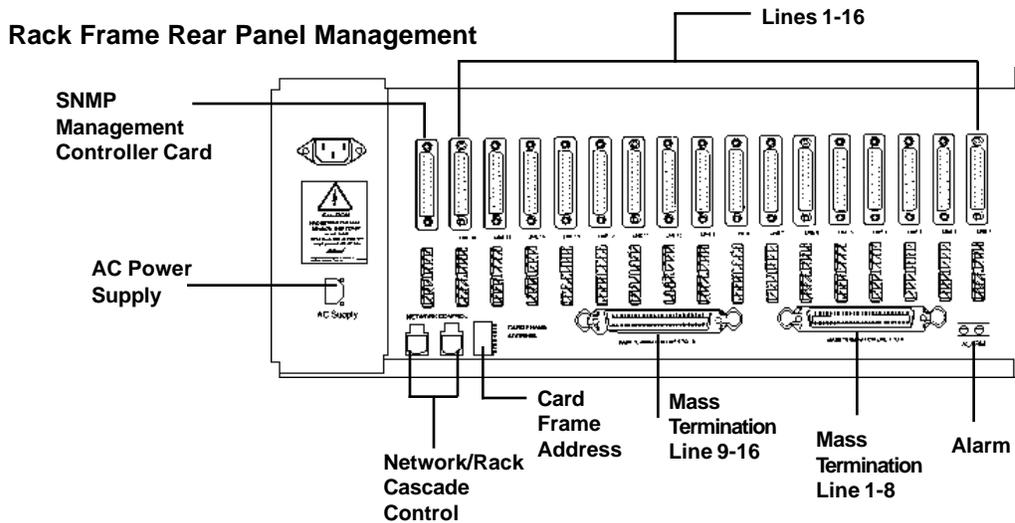
Rack Frame. The Rack Frame is a 19-inch rack mount frame which supports up to 16 modems, 1 SNMP controller card (or 17 modems without a controller card), and two power supplies. Rear-mounted data and telephone interfaces include a punch-down block. The power supply is a dual-slot module that plugs into the card frame. The rack frame can accommodate two power supplies for built-in redundancy. Should a power failure occur with either, the other will immediately take over without interruption.

Features	Benefit
• 28.8Kbps data transmission	• Faster connections to on-line services and the Internet.
• 14.4Kbps fax transmission	• Send/receive faxes from your desktop.
• 16-bit processor	• Provides greater speed and flexibility for modem operation.
• Standard and Leased Lines	• Greater flexibility to support dedicated mission-critical corporate connections.
• SNMP	• Full networking capabilities.
• "Hot" swappable redundancy	• Ensures minimal downtime.
• Asynchronous/synchronous	• Access a wide range of dial-up services as well as both async and sync mini and mainframe computers.
• Full security features	• Password, dial-back security, and encryption makes data unreadable to unauthorized personnel.
• Universal remote access	• Take control remotely to reconfigure modem.
• Auto-dial, answer, disconnect	• More productivity and efficiency when making connections.
• Error control V.42/ MNP 2-4	• Monitors data transfers with self correction.
• MNP10	• Optimizes performance in environments with poor line quality (e.g., Cellular, International).
• Data compression V.42bis/MNP 5	• Maximum throughput up to 230,400bps*.
• Tone or pulse dialing	• Full compatibility on all standard telephone lines.
• Stored number dialing	• Up to 10 phone numbers may be stored in non-volatile memory.
• Selectable flow control	• Ensures no data is lost if terminal and line speed are different.
• Constant/variable speed interface	• Terminal and line speed can be locked or allowed to vary.
• Diagnostics	• Local/remote digital and analog loopback and auto POST.
• Built-in speaker	• Call monitoring/status indication during call progress.
• Flash ROM	• Makes upgrades in the field quick and easy.
• Hayes compatible	• Full conformance with Hayes AT command set.
• PRO16RC Rack Controller	• Gives SNMP compatibility; each controller card can control up to 8 PRO16 Rack Chassis (128 modems maximum).
• On-Line Help in ROM	• Enables quick and easy access to all modem parameters.
• 5-year Limited Warranty	• Includes phone and on-line technical support options.

• Requires 16C650 UART serial card.

Release 1.0
5/96

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Rack Frame Rear Panel Management

SNMP Management Controller Card

AC Power Supply

Lines 1-16

Network/Rack Cascade Control

Card Frame Address

Mass Termination Line 9-16

Mass Termination Line 1-8

Alarm

Specifications

Dimensions:	Rack Chassis	Power Module	Rack Modem
Height	7.12" (178mm)		
Board		5.76" (144mm)	5.76" (144mm)
Front Panel		6.92" (173mm)	6.92" (173mm)
Length:	14.4" (360mm)	11.68" (292mm)	11.88" (297mm)
Width:	19.32" (483mm)	1.62" (40.6mm)	.81" (20.3mm)
Weight:	9.06lbs. (4.1kg)	7.07lbs. (3.2kg)	.93lbs. (0.42kg)

Power:

Rack: 115V (60Hz, 200VA) maximum

Modem: 15V AC (derived from power supply module) typically 3.5W (max 5A) from same source

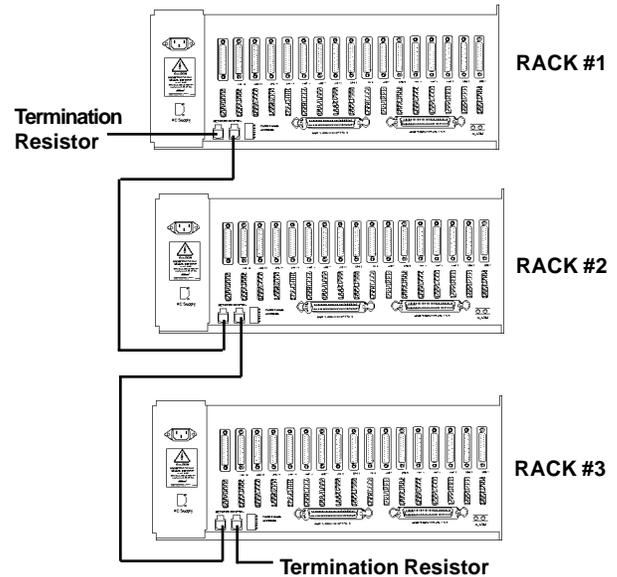**DTE Interface:** DB25F socket, conforming to CCITT V.24/V.28

Telephone Interface: 6-pin insulation displacement (Krone) connectors

ProRack Frame Interface: 4-pin RJ11 connectors

Environmental: Operating 0° to $+45^\circ$ C

Humidity: Operating: 10% to 90% non-condensing

Multiple Racks with Management Card

Termination Resistor

RACK #1

RACK #2

RACK #3

Termination Resistor

Single Rack with Management Card

Termination Resistor in both connections