BLACK BOX®
NETWORK SERVICES

Access Racks and Cards

16 DSL and G.703 cards, SNMP and redundant power - all in a compact 2U chassis

Overview:

Key Features:

- High-density rack system supports up to 16 modems in a 2U-high, 19-inch wide rack-mount chassis with integral AC/DC power supply.
- Configurable input/output modules support all serial, voice/fax, Ethernet, DSL and G.703 DTE interfaces.
- The NetLink rack system can expand to 320 modems in a standard 40U-high rack system.
- Integrated SNMP and HTTP management system
- Automatic load-sharing, dual-redundant AC and DC power supplies
- Network management via SNMP or HTTP
- Dual-redundant AC and DC power supplies
- Great Modularity & Interface Functionality

Overview

When users require higher density solutions, a rack system becomes more economical. The Access Rack system consists of a 2U-high chassis that can be mounted in any standard 19-inch wide Telco rack. The Access Rack chassis supports up to 16 modem modules and a single AC or DC power supply, or dual-redundant AC or DC power supplies.

<insert picture of rack from catalogue>

The rack shown above is a fully configured Access Rack system containing 13 modems, a network management module, and two power supply modules that fill the 18 front rack slots. Equipment/network interface modules that fill the rear slots of the rack chassis connect to the front modules through a midplane bus that extends the width of the rack. Nearly all of the electrical and physical interfaces, from Ethernet to V.35, are available as I/O modules. Dual redundant AC or DC power supplies can be installed in the rack system to help avoid catastrophic failures caused by power fluctuations or outages.

The NetLink rack system enables users to configure, control, and perform diagnostics via SNMP or HTTP. To manage a rack system, the operator need only install a NetLink Management Module (RMU9700-SNMP), connect a workstation to its Ethernet port, and launch a standard Web browser (i.e., Netscape Navigator or Internet Explorer). Now, any operator can manage any NetLink rack card or standalone modems from a local PC or via the Internet. You can even install a Cascade Module (RMU9700-CAS) and manage up to 8 racks (in total) all from one IP address!

The Access Rack system can have one or two 90, 264, VAC or -12/-24/-48 VDC power supplies installed in any combination. Each power supply can support a fully loaded rack configured with any combination of front modem modules and rear I/O cards. If two power supplies are installed, they automatically self-configure for dual-redundant, load-sharing operation. In dual-redundant configuration, each power supply shares 50% of the load.

In the unlikely event of a supply failure, the other supply immediately begins providing 100% of required power; the operator is notified by an audible alarm; an LED flashes on the front panel; and the central site operator is notified via the network management system.

The Access Rack system's midplane bus connects front modem modules and rear I/O modules, delivering the right combination of modem technology and interface support. Physical/electrical interface conversion is also built-in to the system architecture. For example rack cards with G.703/G.704 interfaces will connect to V.35/X.21/EN standalone units.

Specifications:

Access Rack:

Connectors - PSU9700-AC: (1) IEC320, 3-pin alarm;
PSU9700-DC: (3) screw terminals; 3-pin alarm

Power - Single or dual load sharing:
PSU9700-AC: 90-264 VAC, 50Hz;
PSU9700-DC: -48 VDC

Size - 8.9H x 48.3W x 18.5D cm

Weight - 3.1kg

Cards:

Connectors -
RMU9700-SNMP:RJ45 (10BaseT), DB25F (RS232)
RMU9700-CAS:RJ45 (EIA561/RS232) (2)
MTU270C-X21-75:DB15 (X.21), Dual BNC (G.703 unbalanced)
MTU270C-X21-120:DB15 (X.21), RJ45 (G.703 balanced)
MTU270C-V35-120:M/34 (V.35), RJ45 (G.703 balanced)
MTU270C-BT-120:RJ45 (10BaseT), RJ45 (G.703 balanced)
MDU9700C-X21:DB15 (X.21), RJ45 (mDSL)
MDU9700C-V35:M/34 (V.35), RJ45 (mDSL)

Power - From Access Rack Chassis: 90-264 VAC/50 Hz or -48 VDC

Size - Front: 8H x 2.4W x 14D cm; Rear: 8H x 2.4W x 8.7D cm

Weight - 160g

Ordering Information

Product Name:		Order Code:
First order your chassis...		
16-Slot Access Rack		RMU9700-16
Then choose one or two power supplies...		
AC Power Supply Card (90-264 VAC) + RPEM		PSU9700-AC
DC Power Supply Card (-48 VDC) + RPEM		PSU9700-DC
For SNMP management...		
NetLink SNMP Management Module		RMU9700-SNMP
To cascade additional racks order...		
Cascade Module for Access Rack		RMU9700-CAS
DTE Adapter Kit (required for connection to SNMP card)		MX531
Cat5 100 MHz Patch Cables		EVNSL01-0005
Then choose your cards...		
Access Card G.703/4 (Nx64)		
X.21	75-ohm, BNC	MTU270C-X21-75
	120-ohm, RJ45	MTU270C-X21-120
V.35	120-ohm, RJ45	MTU270C-V35-120
Access Bridge Card		
10BaseT	120-ohm, RJ45	MTU270C-BT-120
mDSL Cards		
X.21		MDU9700C-X21
V.35		MDU9700C-V35
G.703/4 (RJ45 & Dual BNC)		MDU9700C-G703
10BaseT		MDU9700C-10BT

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support.

Recognise any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.

According to a recent survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.