BLACK BOX®
NETWORK SERVICES

Remote Access Server NL 4000

Key Features

▶ Compact design supports up to 4 T1/E1 interfaces per rack-unit (1U)

▶ Up to 120 digital DSP modems

▶ Dual 10/100BT Ethernet interfaces

▶ Terminates both analog and digital (ISDN) calls

▶ Linux-based

▶ Graphical HTTP-based management application

▶ RADIUS support

▶ IP Filtering / Firewalling Capabilities

The Remote Access Server NL 4000 is a cost-effective, powerful, stand-alone Digital Remote Access Server that combines the latest in hardware and software technology to allow Internet Service Providers and Enterprise Network Managers to terminate both analog and digital calls and provide network access to remote offices, telecommuters, and home users.

The Remote Access Server NL 4000 connects to the LAN using auto-sensing 10/100BT Ethernet interfaces and terminates one or two T1/E1 or ISDN PRI lines. With built-in digital modems and CSU functionality, it provides high-level of integration and reliability and minimizes the need for external cabling and equipment.

The powerful hardware eliminates performance bottlenecks found in other products. The Remote Access Server NL 4000 is equipped with a powerful Intel CPU that provides processing power to serve all calls with high performance and maximum throughput.

Different from other networking equipment designed with proprietary software technologies, the Remote

Access Server NL 4000 leverages on Open Source software (Linux OS), offering rock-solid stability, as well as flexibility and support for customizations and additional functionality to be incorporated by the end-user or system integrator.

A full-featured remote access server, the Remote Access Server NL 4000 provides advanced security, management features, and transparent interoperability with your current network. The exceptional service and support complete the package to make the Remote Access Server NL 4000 the ideal solution for your remote access needs.

Specifications

HARDWARE

CPU — Intel® Celeron® 600MHz
Memory — 256MB SDRAM
Flash Memory — 64MB CompactFlash
Interfaces — 2 Ethernet LAN 10/100BT
Up to 4 T1/E1/G.704 dialup interfaces
1 RS-232 serial console port
Modems — Up to 128 digital data/fax modems
Digital V.34/V.90 and older, V.92-ready
MNP5 and V.42 data compression

SOFTWARE

Operating — Netlinos Open Source Networking OS
Signaling — ISDN-PRI and CAS/R2D
Security — RADIUS, IP Filtering, PAP/CHAP, SSHv2
Management — Text-based console shell access, SNMP support, Cyclades Web-based management (CWM) interface
Features — NAT, DHCP, NTP support

POSWER ANDPHYSICAL

Dimensions — 19in x 1.75in x 10.5in (1U rack-mountable unit)
Power — 150W, 115/230 VAC input (auto-range)
Operating Temperature — 10 to 40°C
Certification — FCC Class A, CE, Worldwide Telecom

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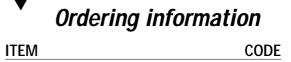
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