Introducing VX1800

Overview

With over 20 years of experience in providing multi-service network exchange solutions, NET understands the need for seamless interoperability when introducing new communications technologies. That's why NET's VX1800 is the clear choice for enterprises that want to integrate unified communications solutions into existing voice networks and legacy PBX systems.

Flexibility that Drives Greater Cost Savings

The VX1800 provides a lower cost solution for VoIP and unified communications by enabling enterprises to consolidate or reduce existing voice network infrastructure. With support for enterprise mobility and SIP-WiFi devices, the VX1800 can also help reduce on-campus cellular service costs.

Security with Scalability

The VX1800's optional hardware-based Security Acceleration Module provides scalable, high-performance IPSEC, SRTP & TLS encryption for voice over IP communications. With up to 24 T1/E1 ports the VX1800 has the scalability for the largest enterprise sites. Redundant AC power provides the reliability required at these sites.

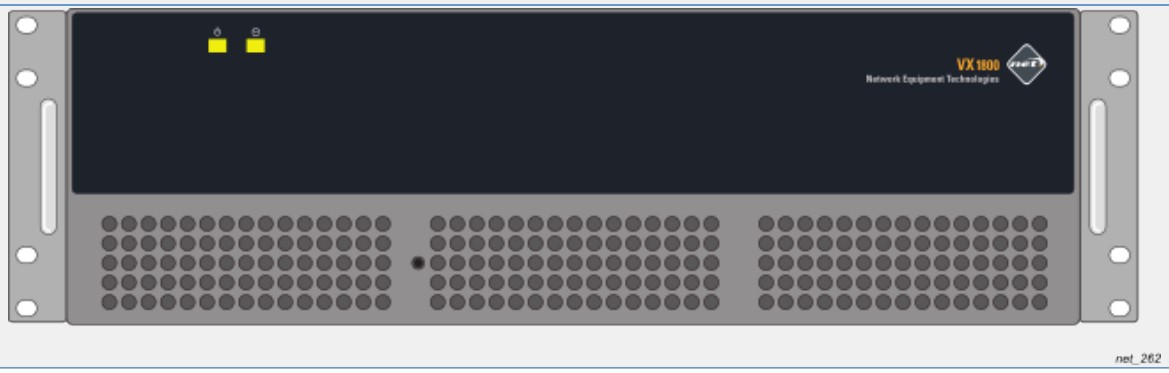
Bandwidth Savings

In addition to a wide range of voice compression technologies, the VX1800 uses BESTflow™ technology to enable voice calls to be carried over the WAN while utilizing less than half the bandwidth of traditional VoIP switches.

Solution Type	Dimensions	Interfaces	VoIP and Signaling Protocols
Enterprise and Government	3 Rack Units	• 6 slots for digital modules • T1 / E1 digital modules - 1, 2, and 4 port versions, 24 port maximum per node • Ethernet - 2 x 10/100/1000 Ethernet ports • RS232 - Console for setup and debugging	• CAS: MF-R1, T1 CAS (E&M, Loopstart), E1 CAS (MFC-R2) • ISDN: AT&T 4ESS, AT&T 5ESS, Nortel DMS-100, Euro ISDN (ETSI 300-102), QSIG, NTT InsNet(Japan), Harris 20/20, CoreNet and • ANSI National ISDN-2 (NI-2) • Voice compression: G.711 (A-law and ?-law), G.723 (5.3 or 6.3 Kbps), G.729A,G.729AB, G.726 (16, 24, or 32 Kbps), G.727 (16, 24, or 32 Kbps) • Automatic call type detection/pass through for voice/modem/fax • RFC2833 in-band DTMF signaling over RTP • G.168 echo cancellation • T.38 real time fax relay with CNG tone detection • Voice activity detection, silence suppression, Automatic comfort noise generation • Call progress tone generation and detection - Dial tone, busy, ringback, and congestion • RTP / RTCP

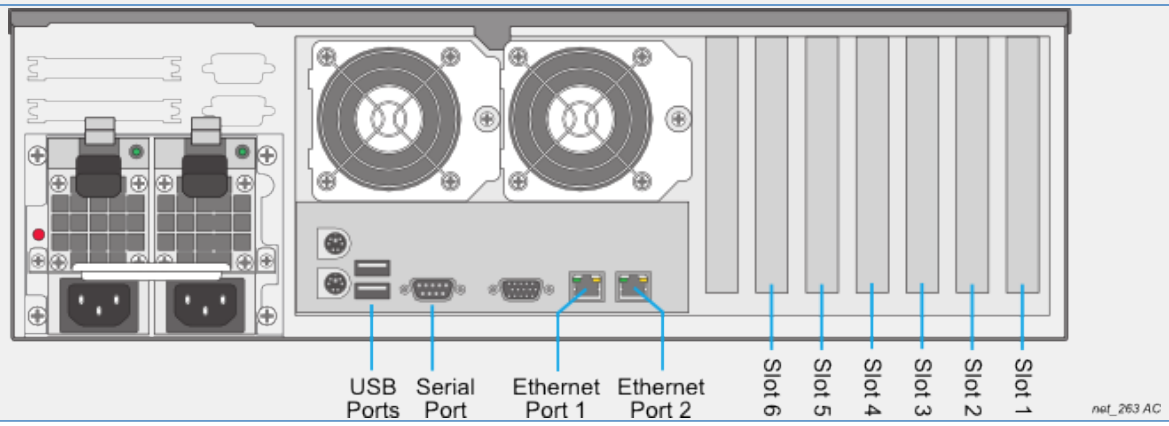
The chassis front panel connector panel provides Ethernet ports, a USB port, operation LEDs for the CPU and hard disk activity, a WAN interface port (if installed) and air intake vents for the fan and filter assemblies. The chassis is available with AC or DC Power.

VX1800 Chassis Front Panel



The chassis rear panel provides the power panel, grounding point, and network interface ports.

VX1800 Chassis Rear Panel - AC Power



VX1800 Chassis Rear Panel - DC Power