Product Name: Net VX1800 chassis with 4 x 4 Port T1/E1 VoIP Gateway (VX1800-16T1/E1)

Manufacturer: -

Model Number: VX1800-16T1/E1

Net VX1800 chassis with 4 x 4 Port T1/E1, Supports 480 CAS, ISDN, SIP calls, with VXVue (VX1800-16T1/E1)

• Seamless migration to Unified Communications
• Microsoft UC and UM Qualified under Open Interoperability Program for Direct SIP
• High Availability, Resilient architecture supporting up to 1000 simultaneous calls
• Reduces costs by enabling voice infrastructure consolidation
• Field upgradable platform

Upgrade Options

• Enhanced UC Features (first 60 licenses) includes SRTP (SWUCEXTGW)
• Enhanced UC Features (subsequent 30 licenses) - Requires First 60 License Purchase (SWUCEXTGW-INC)
• 30 SIP Channel Pack (SWSIP-30)
• 60 SIP Channel Pack (SWSIP-60)
• 120 SIP Channel Pack (SWSIP-120)
• Adanced SIP Security License(MD5) Provides SIP registrar, registrant, proxy-like functions (SWSIPADV
• Protocol upgrade for VX1200 and VX1800 SIP Bundles Provide equivalent software functionality to SWSIP-EXT (BSP, H.323 and SIP unlimited calls). Includes full SIP registrar, proxy-like and subscriber tables (UPGSIPSW-EXT)
• VXGate Access License - Required for CDR management &amp; viewing (SWGATEPNA)

Flexibility that drivers 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 &amp; TLS encryption for voice over IP communications. With up to 24 T1/E1 ports the VX1800 has the scalability for large enterprise sites, supporting up to 5000 users in a single-box solution with redundant and expandable software modules.
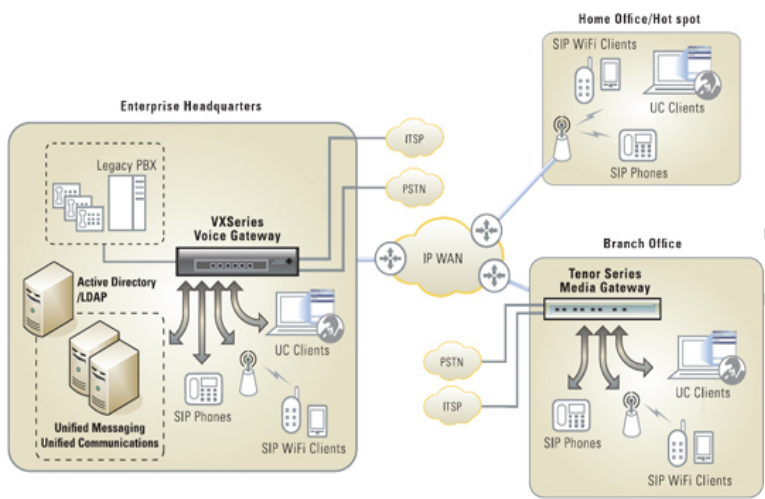Expandable and designed for the future
The VX Series expandable software modules support a broad set of integrated media gateway features, including SIP trunking, IP-IP mediation, bandwidth optimization, hardware-accelerated security, and remote survivability. These advanced options enable the VX1800 to deliver what enterprises typically need for migration to IP-based voice networking, unified communications and enterprise mobility while maintaining interoperability with existing voicenetworks and PBX infrastructure.
Bandwith 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.

VX1200 Base Specifications
Interfaces

• Capacity - 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

VoIP Signaling

• SIP - RFC3261 compliant

TDM Signaling

• CAS: MF-R1, T1 CAS (E&amp;M, Loopstart), E1 CAS (MFC-R2)
• ISDN: AT&amp;T 4ESS, AT&amp;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)
• SS7: ISUP (ANSI88, ANSI92, ANSI95, ITU White book, ITU blue book, ITU97, Q.767, ESTIv2, ETSIv3)

Voice Features

• Voice compression: G.711 (A-law and &micro;-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 at 128ms tail length
• 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, ring-back, and congestion
• RTP / RTCP

Routing

• Dynamic flexible call routing with up to 10000 entries
• Link quality management (LQM) via ICMP or SIP-OPTIONS
• Multiple IP to IP and TDM to IP routing
• Multiple routing tables per channel, per port
• Load balancing
• DiffServ-based IP QoS support (marking, queuing and scheduling)
• 802.1p based Layer 2 QoS support
• Static IP routing
• Carrier selection via Least cost routing
• Local session control &amp; management

Security

• Transport Layer Security (TLS)
• Built-in VOIP aware firewall
• SSH
• Smart card authentication
• Hardened operating system

- Denial of service (DOS) attack mitigation and protection
- Advanced remote access control
- Spoofing detection and avoidance
- DNIS, CLID, call type pre-authentication

Configuration/Network Management

- SNMPv2 - traps, alarms, and statistics
- VXbuilder (GUI and Wizard based provisioning tool)
- VXwatch (real-time monitoring tool)
- Network logging (syslog)
- Active Directory User Integration

Chassis Data

- Rack mount: 3U, 19in. (483mm) rack mountable with EIA and telco rack support
- Normal operating conditions: 32F to 104F (0C to 40C)
- Redundant AC power: 100 - 240 Volt, 50/60 Hz, 200 Watt
- Humidity: 10% to 90% non-condensing

EMC &amp; Safety Compliance

- Meets EN 300 386, EN55022, EN55024, EN60950, UL60950, CB

## Price: £28,415.00