

QVX1200 Unified Communications Gateway

- Enterprise VoIP and telephony integration for Microsoft Exchange 2007 and Microsoft Office Communications Server 2007
- Enables seamless migration to VoIP, Unified Messaging and Unified Communications
- Reduces costs by enabling voice infrastructure consolidation & elimination
- Supports enterprise mobility with SIP WiFi devices
- Expandable platform with optional software & hardware modules



ENTERPRISE-CLASS INTEGRATION FOR MICROSOFT UNIFIED COMMUNICATIONS

With over 20 years of experience in providing multi-service network exchange solutions, QiiQ understands the need for seamless interoperability when introducing new communications technologies. That's why our QVX 1200 is the clear choice for enterprises that want to integrate Microsoft's unified messaging or unified communications solutions into their existing voice networks and legacy PBX systems.

The QVX1200 Unified Communications Gateway is specifically designed to provide the enterprise-class integration, interoperability, and security with scalability required for successful adoption of unified messaging with Microsoft Exchange 2007 and unified communications with Office Communications Server 2007.

A LOWER COST SOLUTION THAT DRIVES EVEN GREATER COST SAVINGS

The QVX1200 provides a lower cost solution for enterprise VoIP, unified messaging and unified communications. Enterprises can leverage the QVX1200 to reduce existing infrastructure by consolidating and eliminating expensive voicemail and PBX infrastructure. With support for enterprise mobility and SIP-Wifi devices, the QVX1200 can also enable companies to dramatically reduce cellular service costs.

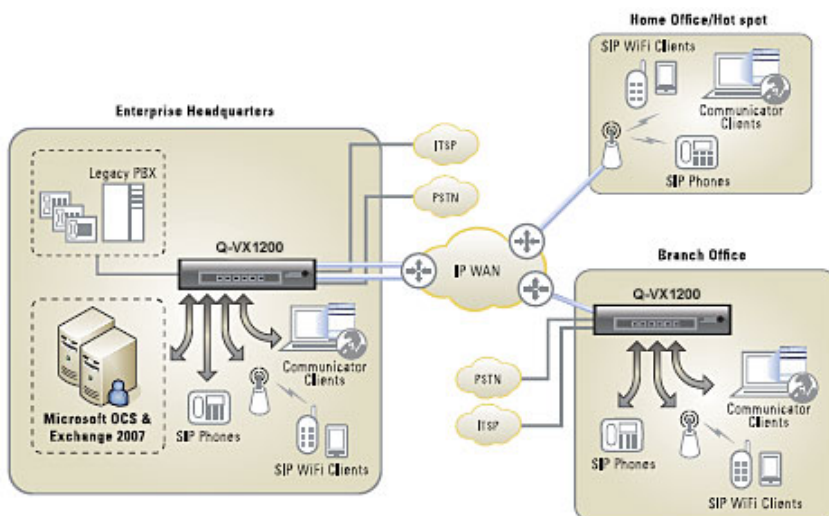
SECURITY WITH SCALABILITY

The QVX1200's optional hardware-based Security Acceleration Module, provides scalable, high-performance IPSEC, SRTP & TLS encryption for voice over IP communications.

FLEXIBLE, EXPANDABLE, AND DESIGNED FOR THE FUTURE

The advanced features of the QVX1200 Unified Communications Gateway provide capabilities that go beyond the limitations of VoIP media gateways. The QVX1200 is a fully integrated, expandable single box solution designed to handle the complexity and challenges that are common when introducing unified communications into today's enterprise voice networks.

The QVX1200 supports industry's broadest set of optional software modules to provide advanced gateway functions such as SIP trunking, integrated session border control, bandwidth optimization, hardware accelerated security, and remote survivability. These advanced options enable the QVX1200 to deliver what enterprises need for secure migration to IP-based voice networking, unified communications and enterprise mobility while providing the interoperability to existing voice networks and PBX infrastructure.



QVX1200 ENTERPRISE-CLASS INTEGRATION SCENARIO:

QVX1200 providing enterprise-class integration for existing PBX environment, Microsoft Exchange 2007 unified messaging, Microsoft Office Communications Server for unified communications. Remote office QVX is enabling infrastructure consolidation and providing remote site survivability for unified messaging and voice communications.

QVX1200 BASE SPECIFICATIONS

Interfaces

- Capacity - 2 slots for digital modules Capacity - 2 slots for digital modules
- T1 / E1 digital modules - 1, 2, and 4 port versions, 8 port maximum per node
- Ethernet - 6 x 10/100 Ethernet ports
- RS232 - Console for setup and debugging

VoIP Signaling

- SIP - RFC3261 compliant

TDM Signaling

- 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 Features

- Voice compression: G.711 (A-law and μ -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, 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 & 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: 19in. (483mm) rack mountable with EIA and telco rack support
- Normal operating conditions: 32F to 104F (0C to 40C)
- AC power: 100 - 240 Volt, 50/60 Hz, 200 Watt
- Humidity: 10% to 90% non-condensing

EMC & Safety Compliance

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

QVX1200 OPTIONAL SOFTWARE MODULES

VoIP Signaling

- H.323v3 - Interconnection with H.323 based devices
- BESTflow - Bandwidth saving VOIP for low speed links
- SIP Trunking (ITSP) support
- Session Border Controller
- Session Limit Controller
- SIP registrar
- SIP registrant
- SIP Proxy-like mode with survivability and local switching

Security

- Secure RTP (SRTP) - Full capacity hardware accelerated
- IPSec
- MD5 digest authentication

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