A full-featured, easy to use solution designed to maximize the uptime of an organization's IP telephony services

OVERVIEW

The 3Com® NBX® V3001R platform, a full-featured IP telephony solution, is designed to help small- and medium-sized organizations move to a Voice over Internet Protocol (VoIP) architecture. Its ease of use allows non-technical personnel to make individual or system-wide changes with the click of a mouse. The system's ability to scale up to 1,500 devices and to support standards-based protocols, including Session Initiation Protocol (SIP), provides the investment protection of a solution able to meet current and future business telephony needs.

The "R" in the platform's name represents "Redundancy" and highlights an architecture built to maximize operational uptime. With dual standard power supplies, the platform assures continuity of telephony services in the event of a power component failure. Optionally, a redundant config-uration of hard drives (RAID level 1) is supported so information can be automatically written to an alternative hard disk.

To increase productivity and reduce operating costs, the solution also features a host of integrated applications, including voice messaging that provides a voice mailbox with auto-setup for every user, call center soft-ware that enhances the efficiency of agents in a queue, as well as easy to set-up hunt groups, auto-attendant, supervisory monitoring and call reporting. Email integration, supported on any IMAP4-compliant email system, lets users share a common inbox for email and voice messages. Plus, V3001R solutions enable centrally managed IP telephony services via the web-based 3Com NBX NetSet™ management application.

KEY BENEFITS

PROTECT INVESTMENT WITH MULTIPLE PROTOCOL SUPPORT

The NBX V3001R platform can operate in either of two modes: Standard NBX or SIP mode. Standard NBX mode utilizes the traditional protocol on which six generations of 3Com NBX applications have been built since 1998, while SIP mode enables communication with SIP applications, end-points and third-party devices. Ensuring access to continuously evolving telecom standards is a 3Com goal that maximizes functionality and the return on investment (ROI) from NBX solutions.

ENSURE BUSINESS CONTINUITY

To maximize uptime the NBX V3001R offers standard dual power supplies and optional redundant hard drives to continue the delivery of business critical voice services in the event of a component failure.

Standards-based 3Com V3001R platforms offer dual redundant power supplies (stan-dard) and hard drives (optional) to maximize operational uptime.

KEY BENEFITS
(CONTINUED)

ENABLE BUSINESS APPLICATIONS WITH SIP

SIP support unlocks access to advanced software that optimizes the productivity-enhancing benefits of VoIP technology and facilitates employee communications with collaborative tools such as IP Messaging and IP Conferencing applications.

INCREASE PRODUCTIVITY WITH BUILT-IN NBX AUTOMATIC CALL DISTRIBUTION (ACD)

Call center hotline, help desk and telesales staff can work more efficiently with the NBX ACD software included in the V3001R platform. Two agent licenses are packaged with each V3001R platform and additional licenses are available with key-code activation. Voice monitoring or screen displays of vital statistics via PC-based software give supervisors up-to-the-minute, real-time call center performance data.

EASE DEPLOYMENT OF IP TELEPHONY SERVICES

Standards-based design, including support for switched IEEE 802.3af Power over Ethernet (PoE), facilitates seamless integration with existing network infrastructure. The web-based NBX NetSet management utility, hosted on the NBX platform, provides intuitive system configuration that lets organizations avoid the need to train personnel in using command line interfaces and new programming languages.

The NBX NetSet management interface provides point-and-click setup for the most basic or the most complex telephony features.

MATCH IP PHONE CHOICES TO ANY APPLICATION AND BUDGET

3Com helps organizations leverage existing infrastructure investments by offering a range of IP phone choices, all with robust feature-sets. Options include 10/100/1000 Mbps Ethernet/IP phones, softphones, receptionist consoles, cordless and wireless phones. Where secure connectivity needs to be maintained while roaming through a business location, 3Com also offers the SIP-based 3108 Wireless Phone, an 802.11 b/g-compliant wireless handset in a flip-phone form factor.

CREATE A SEAMLESS MULTISITE VOICE NETWORK

NBX V3001R solutions connect branch sites to corporate offices, as well as remote and home office workers to their main office converged network services.

ORDERING INFORMATION

PRODUCT DESCRIPTION	3COM SKU
NBX V3001R Platform R6.0	3C10602A-XX

3Com authorized partners can access design tools and voice-specific services which will deliver an optimal solution to meet any enterprise communications requirements.

Preliminary quotes using a simplified set of user-defined requirements can be obtained using the web-based 3Com Voice Solution Finder tool at **www.3com.com/voipfinder**.

Visit www.3com.com for more information about 3Com secure converged network solutions.

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FEATURE HIGHLIGHTS

› Support for traditional voice and multimedia communications

› Redundant standard power supplies and optional hard drivers (RAID 1)

› Carrier-class distributed architecture for multisite deployments

› Support for IETF SIP devices, applications and endpoints

› Browser-based NBX NetSet management

› 508 Compliance (U.S. government regulatory provisions)

› Management via SYSLOG, SNMP, SNTP, 3Com NBX Multisite Management Backup Tool and 3Com NBX Dial Plan Editor

› Multilingual NBX NetSet end-user support for U.S. English, Latin Spanish, Brazilian Portuguese and Italian

SPECIFICATIONS

PLATFORM
Can operate in either Standard mode using the NBX call control protocol or in SIP mode with NBX R6.0 or higher software

SYSTEM REQUIREMENTS
100BASE-TX or switched Ethernet LAN
3Com NBX V3001R Platform
Minimum of two 3Com IP phones

SYSTEM CAPACITY
Support for up to 1,500 devices (lines/stations), including up to 720 PSTN CO lines and 48 Virtual Tie Lines (NBX Standard mode) or up to 300 SIP trunks (NBX SIP mode with R6.0 or higher software)

PSTN GATEWAY OPTIONS
Loop-start analog, T1/PRI, E1/PRI, ISDN BRI-ST, Q.SIG/PRI

Support for SIP analog and digital gateways in SIP mode with NBX R6.0 or higher software

PORT CONNECTIONS
WAN: via external router with IP-ToS support
LAN: two 10/100 uplink ports

ANALOG DEVICES
Support for 2500 series-compatible analog devices, including cordless phones, fax machines, night bells and door ringers

NETWORK, PRIORITIZATION AND AUDIO COMPRESSION STANDARDS
H.323, G.711, G.729a/b, ADPCM, G.722, 802.1d, 802.1p, 802.1q, 802.2, 802.3af, 802.11, IP, IP-ToS, DiffServ, TCP/IP, UDP/IP, DHCP, DNS

APPLICATION STANDARDS
SIP, TAPI 2.1, TAPI/WAV, IMAP4, HTTP, H.323, SMTP/MIME, VPIM

MANAGEMENT
Built-in 3Com NBX NetSet utility; 3Com Network Supervisor support

NBX VOICEMAIL LANGUAGES/DIALECTS
Chinese (Cantonese), Chinese (Mandarin), English (Australian), English (United Kingdom), English (United States), French (Parisian), German, Hebrew, Italian, Spanish (Castilian), Spanish (Latin American), Russian

POWER REQUIREMENTS
85-264 VAC, 47-63 Hz, 3 A

POWER DISSIPATION
NBX V3001R: 150 W
Phones: 8 W (maximum)

CHASSIS/CALL PROCESSOR DIMENSIONS AND WEIGHT
Height: 8.89 cm (3.5 in)
Width: 30.38 cm (12.00 in)
Depth: 43.82 cm (17.25 in)
Weight: 11.37 kg (25.05 lb)

ENVIRONMENTAL RANGES
Operating temperature: 0° to 40°C (32° to 104°F)

Storage temperature: -40° to +70°C (- 40° to +158°F)

Humidity: 5 to 85% noncondensing

NETWORK ACCESS STANDARDS
National Requirements FCC Part 68 (United States), CS03 (Canada), CTR4/A1 Commission Decision 98/520 (European Community)

SAFETY
UL/CUL 1950 Third Edition

IEC 60950: 1991 + A1, A2, A3, A4; National deviations for Europe and Australia

EMISSIONS
FCC Part 15 Class A and B
EN 55022:1994/A1, 1995/A2, 1997 Class A
VCCI Class A
AS/NZS 3548: 1995 Class A
RoHS-compliant

IMMUNITY
EN 55024: 1998