

# 3COM NBX V3001R PLATFORM

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

## OVERVIEW

The 3Com® NBX® V3001R platform is designed to help small- and medium-sized organizations move to a Voice over Internet Protocol (VoIP) architecture, connecting branch sites to corporate offices, as well as remote and home office workers to their main office converged network services. Its ease of use allows non-technical personnel to make individual or system-wide changes with the click of a mouse. Scalable up to 1,500 devices and able to support standards-based protocols such as Session Initiation Protocol (SIP), the platform protects investments by meeting current and future business telephony needs.

To increase productivity and reduce operating costs, the solution also features a range of integrated applications, including voice messaging that provides a voice mailbox with auto-setup for every user, call center software that enhances the efficiency of agents in a queue, as well as easy to configure hunt groups, auto-attendant, supervisory monitoring and call reporting. E-mail integration, supported on any IMAP4-compliant e-mail system, lets users share a common inbox for e-mail 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

NBX V3001R platforms can operate in either Standard NBX mode or SIP mode. Standard NBX mode utilizes the traditional protocol on which six generations of NBX solutions have been built since 1998, while SIP mode enables communication with SIP-based applications, endpoints and third-party devices to maximize functionality and return on investment (ROI).



Standards-based 3Com NBX V3001R platforms offer dual redundant power supplies (standard) and hard drives (optional) to help ensure business continuity.

### ENSURE BUSINESS CONTINUITY

The “R” in the platform’s name represents “Redundancy” and highlights an architecture built to maximize operational uptime. Dual power supplies are standard, and optional redundant hard drives (RAID level 1) allow information to be automatically written to an alternative hard disk to ensure continued delivery of business-critical voice services should a component fail.

### 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 V3100R platform. Two agent licenses are packaged with each V3100R platform; additional licenses are available with key-code activation. Voice monitoring and 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 equipment. The web-based NBX NetSet management utility, hosted on the NBX platform, enables intuitive system configuration that lets organizations avoid the need to train personnel in using command line interfaces and new programming languages.

### MATCH IP PHONES TO BUSINESS NEEDS

Organizations can leverage existing infrastructure investments with a range of IP phone options—10/100/1000 Mbps Ethernet/IP phones, soft-phones, receptionist consoles and cordless phones—all with robust feature-sets.



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## FEATURE SUMMARY

Support for traditional voice and multimedia communications

Redundant standard power supplies and optional hard drives (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, SNTIP, 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/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: 44.07 cm (17.35 in)

Depth: 29.97 cm (11.8 in)

Weight: 8.32 kg (18.35 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

## ORDERING INFORMATION

### PRODUCT DESCRIPTION

NBX V3001R Platform R6.5

**3COM SKU**

3C10602A-XX

Visit [www.3com.com](http://www.3com.com) for more information about 3Com network solutions.

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