

3COM® V6000 AND V6100 INTEGRATED BRANCH COMMUNICATIONS PLATFORMS

Feature-rich, highly available and centrally managed IP telephony and messaging services for the branch offices of enterprise networks



3Com V6000 (top) and V6100 Integrated Branch Communications Platforms

OVERVIEW

3Com® V6000 and V6100 Integrated Branch Communications Platforms offer carrier-class Voice over IP (VoIP) services in a compact and cost-effective form factor to the smaller sites of medium or large enterprises. They provide branch offices with up to 100 users with advanced Session Initiation Protocol (SIP)-based applications and integrated digital or analog VoIP gateways. And because the architecture supports remote management, V6x00 platforms can be distributed across many locations and efficiently administered from any network location.

KEY BENEFITS

EXTEND PRODUCTIVITY-ENHANCING SERVICES

V6x00 platforms let organizations offer a full selection of 3Com enterprise communications services to office and mobile workers at branch locations. These services include IP telephony, messaging and conferencing capabilities with a comprehensive range of telephony features and a global dialing plan to easily connect co-workers anywhere in the enterprise. Users can also consolidate voice mail, e-mail and faxes into a single inbox for flexible, location-independent retrieval and management.

ENSURE AVAILABILITY OF BRANCH COMMUNICATIONS

Even if a wide area network (WAN) failure isolates a branch from central servers, V6x00 platforms route traffic to the PSTN so that staff can continue to make and receive calls and access voice messages. And in the unlikely case of a branch hardware failure, phones at the remote site can get service temporarily from central-site servers.

CENTRALIZE MANAGEMENT

Regardless of the number of servers deployed, all 3Com V6x00 configurations can be managed centrally, ensuring economical administration for organizations with hundreds of sites. And since remote servers can auto-configure themselves from central databases, staff can install or replace V6x00 servers without special network management skills.

LEVERAGE OPEN AND INTEROPERABLE ARCHITECTURE

IP telephony and messaging modules based on the SIP standard deliver the investment protection of an open environment for next-generation communications. Applications on V6x00 platforms run on a security-hardened version of the Linux operating system with integrated firewalls.



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SPECIFICATIONS

SYSTEM CAPACITY

Up to 100 devices (lines/stations) when equipped with CPU and hard-drive modules

INTEGRATED SERVER

3Com IP Telephony and IP Messaging modules running on Linux OS

V6000 INTEGRATED FXO AND FXS GATEWAY

V6000 ships standard with one 4-port FXO module for PSTN connection and one 2-port FXS module for analog devices; T.38 compliant; real-time Group 3 fax relay up to 14.4 Kbps with auto fallback; tolerant of network delay up to 9 sec. round trip; modem transparency auto switch to PCM or ADPCM on V.34 or V.90 modem detection

V6100 T1/E1 INTEGRATED GATEWAY—OPTIONAL CONFIGURATION

Up to 4 digital T1/E1 spans for support of Primary Rate ISDN (Q.931), Q.SIG or R2 signalling at T1/E1 rates

V6100 INTEGRATED GATEWAY OPTIONS

- 4-port FXO module - supports up to six (6) FXO modules
- 4-port FXS module - supports up to six (6) FXS modules
- 4-port BRI module - supports up to five (5) BRI modules
- T1/E1 modules - one-, two- or four-span modules available (supports up to four (4) T1/E1 spans)

GATEWAY VOICE COMPRESSION

G.711, G.729 A/B, G.723.1, G.727 and G.726 codecs with silence suppression

REDUNDANCY OPTIONS

Second load-sharing power supply

Second RAID hard disk

POWER REQUIREMENTS

Requirements: 120–240 VAC

Dissipation: 140 W

DIMENSIONS AND WEIGHT

Height: 4.45 cm (1.75 in)

Width: 44.9 cm (17.7 in)

Depth: 35.6 cm (14 in)

Weight: 4.7 kg (10.3 lb) max. depending on number of modules

ENVIRONMENTAL RANGES

Operating temperature: 0° to 45° C (32° to 113° F)

Humidity: 10% to 90% noncondensing

SUPPORTED TELEPHONES

3Com 3101, 3101SP, 3102, 3103, 3105 console, 3Com Convergence Client (soft client with presence, instant messaging, desktop sharing, voice and video), Analog phones through 3Com VoIP gateways

ORDERING INFORMATION

PRODUCT DESCRIPTION

3COM SKU

V6000 Platform

3Com V6000 Integrated Branch Communications Platform (with CPU/hard drive, 4 FXO and 2 FXS analog VoIP gateway ports) 3CRV071330-07

3Com V6000 IP Telephony and IP Messaging License (includes 2 FXS port licenses, 2 VCX Standard IP Phone and 2 IP Messaging licenses) 3C0VS72909-07

V6100 Platform

3Com V6100 Integrated Branch Communications Platform (V6100 CPU & Hard Disk Modules required to run VCX IP Telephony and IP Messaging Software - purchased separately) 3CRVG71225-07

3Com V6100 IP Telephony and IP Messaging License (includes 2 VCX Standard IP Phone and 2 IP Messaging licenses) 3C0VS72910-07

3Com V6100 CPU Module 3C0VG60003-06

3Com V6100 Hard Disk Module 3CRVG60004-06

(pre-loaded with VCX IP telephony and IP messaging software)

3Com Digital Gateway Module—Single T1/E1 Span 3CRVG71226-07

3Com Digital Gateway Module—Two T1/E1 Span 3CRVG71227-07

3Com Digital Gateway Module—Four T1/E1 Span 3CRVG71228-07

3Com Analog Gateway Module—Four-Port FXS 3CRVG52002-07

3Com Analog Gateway Module—Four-Port FXO 3CRVG52001-07

3Com Analog Gateway Module—Four-Port BRI 3CRVG52003-07

Optional V6000/V6100 Modules

3Com V6x00 Redundant Hard Disk RAID Module (40 GB) 3C0VG60006-06

3Com V6x00 Redundant Power Supply Module 3C0VG60005-06

Visit www.3com.com for more information about 3Com solutions.

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