

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

OVERVIEW

3Com® V6000 and V6100 Integrated Branch Communications Platforms support advanced Session Initiation Protocol (SIP)-based applications integrated with digital or analog Voice over IP (VoIP) gateways in a compact and cost-effective form factor. Designed for complete service availability of 3Com VCX™ IP Telephony and 3Com IP Messaging Modules at a branch office, the V6x00 platforms offer a solution that economically extend the benefits of 3Com carrier-class convergence architecture to the smaller sites—with up to 100 users—of a medium or large enterprise. 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 enable an organization to 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 that offer a comprehensive range of telephony features and a global dialing plan to enable easy connection to co-workers anywhere in the enterprise. They can also consolidate voice mail, email and faxes into a single inbox for flexible, location-independent retrieval and management.

ENSURE BRANCH COMMUNICATIONS AVAILABILITY

Even if a wide area network (WAN) failure isolates a branch from central servers, V6x00 platforms route traffic to the PSTN, letting staff continue to make and receive calls and access voice messages. In addition, 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 or even thousands of sites. And since remote servers can autoconfigure themselves from central databases, V6x00 servers may be installed or replaced by staff without requiring special skills.

LEVERAGE OPEN AND INTEROPERABLE ARCHITECTURE

SIP-based IP telephony and messaging modules deliver the investment protection of a standards-based solution and an open environment for next-generation communications. As part of an enterprise-wide security strategy, applications on V6x00 platforms run on a security-hardened version of the Linux operating system with integrated firewalls.



KEY BENEFITS (CONTINUED)

EASE MIGRATION TO ADVANCED IP TELEPHONY SERVICES

The interoperable design of 3Com IP telephony solutions helps enterprises economically migrate from legacy PBXs while retaining existing PSTN lines at the branch. Integrated FXS ports in the V6000 platforms provide connections for devices such as phones, fax machines, modems and door intercoms and openers in a live operating environment. V6100s allow interconnections with the PSTN and existing PBXs using T1/E1 lines to support larger branches. With a consistent set of features and interfaces at branch and main office locations, users can more easily benefit from their new 3Com networked communications solutions.

Feature Highlights

Supports SIP-based 3Com Convergence Applications Suite IP telephony and messaging services for branch office sites

Preserves full branch communications capabilities during WAN failures

Centralizes management, leveraging IT expertise for time and cost savings

Connects PSTN lines, PBXs and analog devices via integrated gateways

Provides platform resilience with optional dual RAID disks and power supplies

SPECIFICATIONS

SYSTEM CAPACITY

Up to 100 users

INTEGRATED SERVER

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

V6000 INTEGRATED FXO GATEWAY

4 analog ports for PSTN connection

V6000 INTEGRATED FXS GATEWAY

2 analog ports; 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

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

GATEWAY VOICE COMPRESSION

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

OTHER 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 2101, 2102, 3101, 3102, 3103 and compatible third-party SIP and analog phones

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 [2 FXS port licenses, 2 standard phone licenses and 2 IP messaging user licenses]	3C0VS72909-07
V6100 Platform	
3Com V6100 Integrated Branch Communications Platform [no CPU; supports maximum 4 T1/E1 spans using modules below]	3CRVG71225-07
3Com V6100 IP Telephony and IP Messaging License [2 standard phone licenses, 2 IP messaging user licenses]	3C0VS72910-07
3Com V6100 CPU Module	3C0VG60003-06
3Com V6100 Hard Disk Module [pre-loaded with VCX IP telephony and IP messaging software]	3CRVG60004-06
3Com V6100 Digital Gateway Module—Single T1/E1 Span	3CRVG71226-07
3Com V6100 Digital Gateway Module—Two T1/E1 Span	3CRVG71227-07
3Com V6100 Digital Gateway Module—Four T1/E1 Span	3CRVG71228-07
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 secure converged network solutions.

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