

3COM V6000 AND V6100 INTEGRATED BRANCH COMMUNICATIONS PLATFORMS

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



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

OVERVIEW

The compact form factor of 3Com® V6000 and V6100 Integrated Branch Communications platforms provides smaller sites of medium or large enterprises with cost-effective, carrier-class Voice over IP (VoIP) services. The platforms deliver advanced Session Initiation Protocol (SIP)-based applications and integrated digital or analog VoIP gateways to branch offices with up to 100 users. And because V6x00 architecture supports remote management, the 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 mobile workers and office workers at branch locations the same selection of 3Com enterprise communications services available to main office staff. These services include IP telephony, messaging and conferencing capabilities with a comprehensive range of telephony features and a global dialing plan that easily connects 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 BRANCH COMMUNICATIONS AVAILABILITY

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

The central management capabilities of all V6x00 configurations enables economical administration for organizations with hundreds of sites, regardless of the number of servers deployed. 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, INTEROPERABLE ARCHITECTURE

IP telephony and messaging modules based on the SIP standard deliver the investment protection of an open environment for next-generation communications. Additionally, 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) support 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 Desktop Communicator, Desktop Communicator Outlook Edition and Convergence Client softphones (supports presence, instant messaging, voice, video conferencing, advanced Microsoft Outlook integration including Microsoft Journal, MSN Messenger, and call recording), 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)	3CRV6000A-09
3Com V6000 IP Telephony and IP Messaging V9.0 License (includes 2 Analog Phone/FXS Port licenses, 2 VCX Business IP Phone and 2 IP Messaging licenses)	3CV6000TM9L

V6100 PLATFORM

3Com V6100 Integrated Branch Communications Platform (3Com V6100 CPU & Hard Disk Modules required to run VCX IP Telephony and IP Messaging Software, purchased separately)	3CRVH6100TM9L
3Com V6100 IP Telephony and IP Messaging V9.0 License (includes 2 VCX Business IP Phone and 2 IP Messaging licenses)	3CV6100TM9L
3Com V6100 CPU Module	3C0VG60003-06
3Com V6100 Hard Disk Module (pre-loaded with VCX IP Telephony and IP Messaging software)	3CRV6100HDA-09
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 (80 GB)	3C0VG60006-06
3Com V6x00 Redundant Power Supply Module	3C0VG60005-06

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