

A range of SIP phones for delivering the audio quality and advanced functions required for professional business operations

OVERVIEW

3Com® Polycom IP Phones are designed to meet the diverse needs of communications-intensive businesses and their demanding users. Because they support Session Initiation Protocol (SIP), the phones are fully integrated with 3Com VCX™ and 3Com Asterisk IP telephony platforms, and extend the portfolio of IP phone options available to 3Com users. All the phones offer an intuitive user interface, an easy-to-read display, and a speakerphone and headset port for hands-free operation. And like all 3Com phones, they are simple to install, configure and upgrade, saving administrative time and associated costs.

The 3Com Polycom IP Phone family includes the following models:

- IP330—a 2-line, SIP-based entry-level phone with excellent sound quality for cubicles and common areas, and integrated Power over Ethernet (PoE) support for flexible deployment.
- IP430—a versatile, full-featured 2-line office phone featuring outstanding voice quality, integrated PoE, support for SIP applications and enhanced Quality of Service (QoS) capabilities.
- IP550 and IP650—high-end, 4- and 6-line phones with information-rich backlit displays, revolutionary Polycom HD voice technology, and advanced SIP feature sets for managers, executives and other phone-dependent professionals. Added features include shared call/bridged line appearances, busy lamp fields, text messaging, buddy lists and an XHTML micro-browser for web applications. The IP650 model may be expanded to a 12-line, 48-key attendant phone that can handle up to 24 simultaneous calls.

The IP Expansion module, a 14-line console, can be used with the IP650 phone to expand call-handling capability. Up to three modules can be cascaded to a single host phone, increasing the total number of buttons to 48 for phone-intensive IP telephony users. A bi-color indicator on each of the 14 keys on a module enables easy recognition of a line or call state. Keys may be programmed for speed dialing or directory numbers.

KEY BENEFITS

MATCH PHONE SELECTION TO BUSINESS NEED

3Com Polycom phones are engineered to meet and exceed business-level requirements. Easy-to-use advanced Voice over IP (VoIP) options make them ideal for common areas, mainstream desktop business communications, communications-intensive employees and managers, departmental administrative assistants, phone attendants and group teleconferencing.

ENJOY UNPARALLELED SOUND CLARITY

The phones deliver unrivaled voice quality over the network with IEEE 802.1 p/Q, Layer 3 ToS, and Differentiated Services Code Point (DSCP) QoS support, dynamic jitter buffer and sophisticated packet-loss concealment algorithms. In addition, the 3Com Polycom IP550 and IP650 models feature Polycom's patented Acoustic Clarity Technology 2 that provides the latest full duplex, echo cancellation and noise reduction technology.

IMPLEMENT PRODUCTIVITY-ENHANCING FUNCTIONS

3Com Polycom IP phones support the cutting-edge functions provided by 3Com IP telephony platforms, including advanced SIP-based messaging,



Shown above from top to bottom: 3Com IP330, 3Com IP430, 3Com IP550 and 3Com IP650 phones.

KEY BENEFITS (CONTINUED)






conferencing and presence. Productivity-enhancing features available on all or some of the models include shared call/bridged line appearance, multiple call and flexible line appearances and busy lamp field.

EASE THE TRANSITION FROM PBX AND KEY SYSTEMS

Exceptionally readable displays, intuitive user interfaces and simple menu navigation, including one-button access to critical features let users quickly benefit from advanced capabilities.

SIMPLIFY INSTALLATION AND CONFIGURATION

The phones can be provisioned and upgraded remotely from a variety of servers (FTP, TFTP, HTTP or HTTPS), and they support boot and call server redundancy to ensure uninterrupted operation. To help avoid the expense of new cabling, the phones feature dual-port Ethernet switches for LAN and PC connections. All models offer a choice of power delivery: an external PoE Power Injector (3CNJPSE) or a PoE Ethernet switch for hard-to-wire locations.

PHONE FAMILY FEATURE COMPARISON	3Com Polycom IP330 	3Com Polycom IP430 	3Com Polycom IP550 	3Com Polycom IP650 	3Com Polycom IP Expansion Module 
SIP Support	Yes	Yes	Yes	Yes	Yes
Maximum lines supported	2	2	4	6	6 ¹
Ethernet ports	2	2	2	2	N/A
PoE support (802.3af)	Yes	Yes	Yes	Yes	N/A
Fixed feature buttons	15	16	26	26	14
Display softkeys	3	4	4	4	N/A
Four-way cursor control	Yes	Yes	Yes	Yes	N/A
LCD display size	102 x 33 pixel	132 x 46 pixel	320 x 160 pixel	320 x 160 pixel	N/A
Back-lit LCD display	No	No	Yes	Yes	Yes
Speakerphone	Yes	Yes	Yes	Yes	N/A
Headset jack	Yes, 2.5mm	Yes, RJ-9	Yes, RJ-9	Yes, RJ-9	N/A
Codecs G.711, G.729 A/B	No	No	Yes	Yes	N/A
Wideband audio (G.722) handset	No	No	Yes	Yes	N/A
Wideband audio (G.722) speaker	No	No	Yes	Yes	N/A
Adaptive jitter buffer	Yes	Yes	Yes	Yes	N/A
QoS: IP-ToS, 802.1p	Yes	Yes	Yes	Yes	N/A
Desk or wall mountable	Yes	Yes	Yes	Yes ²	N/A
Browser-based administration	Yes	Yes	Yes	Yes	Yes
Platform support	VCX, Asterisk	VCX, Asterisk	VCX, Asterisk	VCX, Asterisk	VCX, Asterisk

¹ Using an expansion module with the IP650 adds support for an additional 6 lines, raising the total lines supported to 12.

² An IP650 with expansion modules cannot be wall mounted.

ORDERING INFORMATION

PRODUCT DESCRIPTION	3COM SKU
3Com Polycom IP330 IP Phone	3C10490A
3Com Polycom IP430 IP Phone	3C10491A
3Com Polycom IP550 IP Phone	3C10493A
3Com Polycom IP650 IP Phone	3C10494A
3Com Polycom IP Expansion Module (for IP650)	3C10495A

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

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