



TELSTRA IP670

Premium Telstra IP phone
with a large colour
display and Polycom
High Definition (HD) Voice.

Telstra IP670

To take your business to the next level of communications, you need the right tools for the job. Telstra IP Telephony phones are designed by renowned industry leader, Polycom, to help you access the latest innovations. Imagine how much more productive and efficient your business could be with the revolutionary voice quality of Polycom HD Voice handsets and advanced feature set of Telstra IP Telephony. With Telstra's world-class Next IP™ network know-how and advanced Polycom technology, you're ready for responsive, productive and cost-effective communications.

Benefits

A rich visual experience

Large, vibrant colour display enables easier viewing and navigation.

Revolutionary voice quality

Polycom HD Voice provides unparalleled voice clarity to make your calls more efficient and productive.

Gigabit Ethernet support

Futureproofs network infrastructure investment.

Expandability

Supports up to three Telstra IP Colour Expansion Modules for an attendant console application.

Broad interoperability

The Telstra IP670 desktop phone has been tested and certified to deliver

comprehensive interoperability and extensive feature support with the Telstra IP Telephony platform. Therefore you can rely on it to deliver on its promise of great sound quality and industry-leading feature set.

Delivering a rich voice, visual and application experience

The Telstra IP670 is an IP phone with a high-performance colour display, Polycom's revolutionary HD Voice for unparalleled voice quality, and Gigabit Ethernet (GigE) connectivity. It is designed to provide professionals with a vibrant colour interface for easier viewing and navigation, as well as a high level of integration with productivity-enhancing applications and business processes.

A visually-improved platform for applications

The Telstra IP670 features a large, backlit colour display that enables rich visual presentation and easier navigation of the menu.

Unparalleled voice quality and clarity

The Telstra IP670 integrates Polycom HD Voice to bring lifelike richness and clarity to every call¹. Polycom HD Voice incorporates wideband audio for over twice the voice clarity, patented Polycom Acoustic Clarity™ technology for noise and echo-free sound, as well as world-class system design to deliver great voice quality and sound.



Advanced network connectivity

With a built-in, dual-port Gigabit Ethernet switch, the Telstra IP670 provides full Gigabit data connectivity between the network and a user's computer, eliminating network bottlenecks to enable bandwidth-intensive applications on the user's desktop.

Enhanced call-handling capabilities

The Telstra IP670 accommodates six lines in standalone mode. When equipped with up to three Telstra IP Colour Expansion Modules, the Telstra IP670 becomes a 34-line, productivity-enhancing attendant console to increase call-handling capabilities.

Telstra IP670 specifications

Lines (direct numbers)

- Up to six lines (standalone mode)
- Up to 34 lines with Colour Expansion Module(s)

Telstra IP Colour Expansion Module Support

- The PoE version supports one Colour Expansion Module
- The PSU version supports up to three Colour Expansion Modules

Display

- 320 x 160 backlit colour graphical LCD
- LED backlight with custom variable intensity control

Feature keys

- 4 context-sensitive 'soft' keys
- 26 dedicated 'hard' keys
 - 6 line keys with bicolour (red/green) LED
 - 8 feature keys
 - 6 display/menu navigation keys
 - 2 volume control keys
 - Illuminated mute key
 - Illuminated headset key
 - Illuminated hands-free speakerphone key
 - Dedicated hold key

Headset compatibility

- Dedicated RJ-9 headset port – amplified headsets are recommended

Audio features

- Polycom HD Voice technology delivers lifelike voice quality for each audio path – the handset, the hands-free speakerphone, and the headset¹
- Full-duplex hands-free speakerphone
 - Type 1 compliant with IEEE 1329 full duplex standards
- Frequency response – 150Hz – 7kHz for handset, headset¹ and hands-free speakerphone modes
- Codecs: G.722 (wideband), G.711 μ A, and G.729A (Annex B)
- Individual volume settings with visual feedback for each audio path
- DTMF tone generation/DTMF event RTP payload
- Low-delay audio packet transmission
- Adaptive jitter buffers
- Packet loss concealment

- Acoustic echo cancellation
- Background noise suppression

Call-handling features²

- Shared call appearance
- Multiple line appearance (one or more line keys can be assigned for each line extension)
- Distinctive incoming-call treatment/call waiting
- Call timer
- Call transfer, hold, divert (forward), pickup
- Called, calling, connected party information
- N-way conferencing (up to 8 parties)
- One-touch speed dial, redial
- Call waiting
- Remote missed-call notification
- Intercom
- Automatic off-hook call placement
- Do-not-disturb function

Other features

- Feature-rich GUI
- Time and date display
- User-configurable contact directory and call history (missed, placed, and received)
- Unicode UTF-8 character support

Protocol support

- IETF SIP (RFC 3261 and companion RFCs)

Network and provisioning

- Two-port Gigabit Ethernet switch
 - 10/100/1000Base-Tx across LAN and PC ports
 - Conformant to IEEE802.3-2005 (Clause 40) for Physical Media Attachment
 - Conformant to IEEE802.3-2002 (Clause 28) for Link Partner Auto-Negotiation
- Manual or dynamic host configuration protocol (DHCP) network set-up
- Time and date synchronisation using SNTP
- Server-based central provisioning from Telstra's hosted CPE configuration server
- QoS Support – IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS, and DSCP
- RTCP support (RFC 1889)
- Event logging
- Hardware diagnostics
- Status and statistics

Power

- Built-in, auto-sensing IEEE 802.3af Power over Ethernet
- External Universal AC adaptor (optional)

Approvals

- FCC Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- AS/NZS CISPR 22 Class B
- VCCI Class B
- EN55024
- EN61000-3-2; EN61000-3-3
- ROHS compliant

Safety

- UL 60950
- CE Mark
- CAN/CSA-C22.2 No. 60950
- EN 60950-1
- IEC 60950-1
- AS/NZS 60950

Operating conditions

- Temperature: +10 to +40°C
- Relative humidity: 20% to 85% (noncondensing)

Storage temperature

- -40 to +70°C

Telstra IP670 comes with:

- Telstra IP670 console
- Handset with handset cord
- Base stand
- Network (LAN) cable

Size

- 26.5 cm x 15 cm x 19 cm x 6.5 cm (W x H x D x T)

IF YOU HAVE ANY QUESTIONS
PLEASE CONTACT YOUR
TELSTRA ACCOUNT EXECUTIVE
CLICK TELSTRA.COM/ENTERPRISE
CALL **1300TELSTRA (1300 835 787)**



1. To enjoy all the benefits of Polycom HD Voice when using the phone in the headset mode, you must use wideband headset and be communicating with another HD phone.
2. Some of these features need to be supported by an appropriate call/applications server. © 2009 Polycom, Inc. All rights reserved. Polycom and the Polycom logo design are registered trademarks of Polycom, Inc. in the US and various countries. All other trademarks are the property of their respective owners. Information in this document is subject to change without notice.