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Technical Specification

Nortel IP Phone 1110

Standard-level IP Phone brings innovative new communications features to the desktop

The award-winning Nortel IP Phone 1110 brings a new realm of capabilities to the standard-level desktop IP Phone. Designed to meet general-purpose communication needs, the single-line Nortel IP Phone 1110 delivers innovative new features including support for data and Web-centric applications presented on its graphical display. Menu and application navigation are flexible, with a built-in four-way navigation cluster. An integrated 10/100 Ethernet switch with LAN and PC ports enables single cable drops to the desktop, reducing infrastructure costs. Combined with robust and tightly linked communications features from Nortel Communication Servers, Nortel's IP Phone 1110 delivers the key capabilities needed for today's business environments.

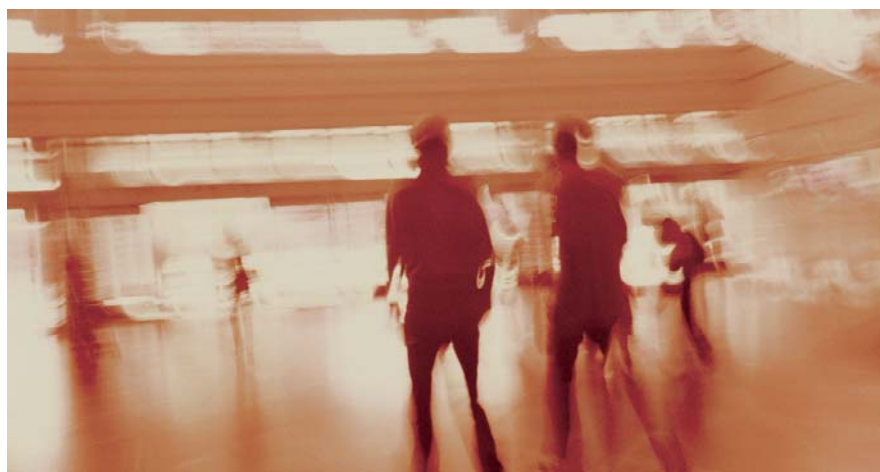


IP Phone 1110

Key features and benefits include:

- › Single-line IP Phone with eight fixed keys and four soft-label keys
- › Graphical, backlit, pixel-based display, combined with a flexible five-position adjustable footstand placement optimizes viewing in varied lighting conditions
- › Four-way navigation cluster with new "Enter/Send" key maximizes user choice and flexibility in navigation
- › Integrated 10/100 Base-T Ethernet switch with LAN and PC ports reduces costs, enabling a single cable drop to support both the phone and a collocated PC
- › Supports 802.3af standard-based PoE and local AC power via power adapter
- › Supports customized data and Web-based applications via external application servers, enriching users' experience with advanced multimedia interaction
- › Tight linkage with Nortel Communication Servers offers rich suite of reliable, quality-based telephony communications features
- › Added convenience and time savings with field-upgradeable firmware using Trivial File Transfer Protocol (TFTP) or for sites requiring enhanced secure firmware upgrades: UNIStim File Transfer Protocol (UFTP)¹

¹UNIStim FTP (UFTP) support requires Communication Server 1000 Release 4.5 or later.



Technical specifications

Nortel platforms supported

- Nortel Communication Server 1000 (formerly Succession 1000) with backward compatibility to Release 3.0
- Supported on Media Gateway 1000B Expansion Chassis

Display

- Graphical, monochrome Film Super Twist Nematic (FSTN) Liquid Crystal Display, 143 x 32 pixel, fully bitmapped, backlit screen
- Backlit LCD with local contrast settings for enhanced viewing
- Configurable backlight timer extends the quality of the display experience with 5, 10, 15, 20 minute, 1 and 2 hour settings; "Sleep never" setting for 24x7 environments

IP Phone footstand adjustments

- Desktop viewing adjustments: 25, 35, 45, or 55 degree angles
- Wall mount adjustment: minus 5 degrees

Fixed and soft-label keys

- Eight fixed keys (Hold, Goodbye, Handsfree (listen only), Volume Up and Down, Expand, Services and Inbox)
- Four soft-label keys for easy-to-use navigation

Navigation cluster

- Four-way navigation cluster (left, right, up, down arrows) plus new Enter/Send key¹

Color

- Graphite with silver metallic bezel

Connectivity/data rates

- Integrated Ethernet 10/100 Base-T auto-sensing with LAN and PC ports
- Manually configurable for 10 and 100 Mbps speeds when used with Ethernet Switches that do not support auto-sensing

Dimensions and weight

- Size: (W x D x H)
 - 6.6 in x 7.3 in x 7.7 in /167mm x 185mm x 196mm — 55 degree footstand desktop configuration
 - 6.6 in x 7.7 in x 5.6 in /167mm x 196mm x 142mm — 25 degree footstand desktop configuration
 - 6.6 in x 4.0 in x 8.3 in /167mm x 101mm x 212mm — minus 5 degree footstand wall mount configuration
- Weight: (phone, handset and handset cord)
 - 1.81 lbs/0.82 kg

Power

- Supports IEEE 802.3af Power over Ethernet, Nortel and selected Cisco pre-standard²
- Optionally available universal local AC power adapter ("brick style") supported (90-260 VAC, 50/60Hz power adapter delivering 48V DC @ 0.52A max)
- AC power cable (country specific) — orderable separately

Administration

- Static and Dynamic Host Control Protocol (Full DHCP factory default)
- 802.1x and Extensible Authentication Protocol (EAP) standards support

Protocols

- E.164 dialing
- Session Initiation Protocol (SIP) ready³

Codecs/Quality of Service

- G.711 a-law, G.711 μ -law, G.729a and Annex B
- 802.1p/Q, DiffServ and VLAN tagging of both telephony and PC port traffic

Operating temperature

- +5°C to 40°C/40°F to 104°F

Relative humidity

- 5% to 95% (non-condensing)

Storage temperature

- -40°C to 70°C/-40° to 158°F

EMC

- United States: FCC 47 CFR Part 15 Class B
- Canada: ICES-003 Class B
- Australia/New Zealand:
 - AS/NZS 3548 Class B
 - CISPR 22
- European community:
 - EN55022 Class B
 - EN 55024
 - EN 61000-3-2
 - EN 61000-3-3

Safety

- United States: UL 60950-1 1st Edition
- Canada: CSA 60950-1-03
- European Community: EN 60950-1
- Australia/New Zealand: AS/NZS 60950.1: 2003

Other

- Hearing Aid Compatibility (HAC) as per FCC Part 68
- Australia: AS/ACIF S004
- Complies with CE Marking Requirements
- EU countries: This device complies with the essential requirements and other relevant provisions of Directive 1999/5/EC



Further details
on Internet
Telephony Expo at
www.tmcnet.com

¹ Enter/Send key could be used to facilitate entry or data selection when engaged in data or Web-centric application interaction. The Enter/Send key requires Nortel Communication Server development and shall not be available at initial general availability.

² Cisco Catalyst 3550, 4503 and 6503 Ethernet Switches with software versions tested: 3550 - IOS 12.1 (13); 4503 - CATOS 7.6(3); 6503 - CATOS 8.3(2)

³ Delivery of a native SIP stack to IP Phone 1110 is planned for future firmware download.



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