



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 a pixel-based, four-level grayscale graphical display. Menu and feature selection is flexible with an integrated four-way navigation cluster and context-sensitive soft-label keys. A built-in IEEE 10/100 Ethernet switch with both LAN and PC ports enables single cable drops to the desktop, reducing infrastructure costs. Along with robust and tightly linked communications features from Nortel Communication Servers, Nortel's IP Phone 1110 delivers 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 context-sensitive soft-label keys
- › Graphical, backlit, pixel-based display, combined with a five-position adjustable footstand to 55-degrees optimizes viewing under varied lighting conditions
- › Four-way navigation cluster with Enter key offers user choice and flexibility in navigation
- › Integrated IEEE 10/100 Base-T Ethernet switch with LAN and PC ports reduces costs, enabling a single cable drop to support switching of traffic from both the phone and a collocated PC
- › Supports 802.3af standard-based PoE and local AC power via power adapter
- › Secured communications with standards-based AES 128-bit signaling and sRTP media path encryption along with 802.1x user-based authentication
- › Tight linkage with Nortel Communication Servers offering a rich suite of reliable, quality-based secured communications
- › 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) Release 4.0 and later
- 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
- LCD contrast settings which are adjustable by users 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: 32.5, 40, 47.5 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 context-sensitive soft-label keys for easy-to-use navigation

Navigation cluster

- Four-way navigation cluster (left, right, up, down arrows) plus Enter key

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 6.4 in x 6.5 in /167mm x 163mm x 165mm — 32.5 degree footstand desktop configuration
 - 6.6 in x 8.3 in x 4.0 in /167mm x 212mm x 101mm — minus 5 degree footstand wall mount configuration
- Weight: (phone, handset and handset cord)
 - 1.81 lbs/0.82 kg

User selectable ring tones

Echo cancellation and silence suppression

Power

- IEEE 802.3af Power over Ethernet
- 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
- Power dissipation — 100 Mbps: typical power consumption is 2.8 watts; full utilization at 5.89 watts (both figures exclusive of cable loss)

Administration

- Static, Partial and Full Dynamic Host Control Protocol (Full DHCP factory default)
- 802.1ab Link Layer Discovery Protocol (LLDP) for network discovery and inventory management

Security

- 802.1x and Extensible Authentication Protocol (EAP) in MD-5 enabled networks
- 128K Authentication Encryption Standard (AES) for signaling encryption
- Secure Real-time Protocol (sRTP) pre-shared key for media path encryption

Protocols

- E.164 dialing

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/CISPR 22 Class B
 - EN 55024
 - EN 61000-3-2
 - EN 61000-3-3
- Japan
 - VCCI

Safety

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

Other

- US/Canada: Hearing Aid Compatibility (HAC) as per FCC Part 68
- IC CS-03 (HAC)
- Australia: AS/ACIF S004
- New Zealand: PTC 220
- Complies with CE Marking Requirements
- EU countries: This device complies with the essential requirements and other relevant provisions of Directive 1999/5/EC

Nortel is a recognized leader in delivering communications capabilities that enhance the human experience, ignite and power global commerce, and secure and protect the world's most critical information. Our next-generation technologies, for both service providers and enterprises, span access and core networks, support multimedia and business-critical applications, and help eliminate today's barriers to efficiency, speed and performance by simplifying networks and connecting people with information. Nortel does business in more than 150 countries. For more information, visit Nortel on the Web at www.nortel.com.

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