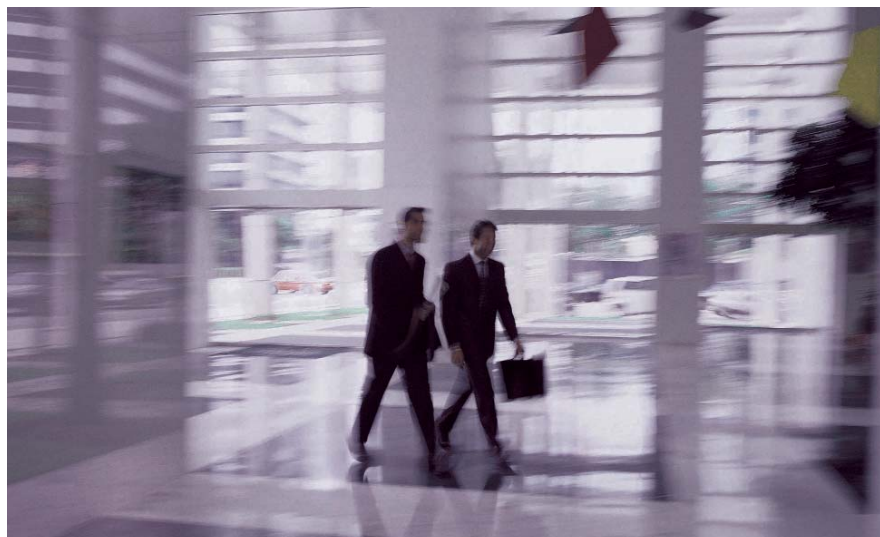# NORTEL

Technical Specifications
Nortel IP Audio Conference Phone 2033
Collaborate with the freedom at the desktop

The Nortel IP Audio Conference Phone 2033 is a state-of-the-art, full duplex, handsfree IP Audio Conference Phone that is easy-to-use and install, which in combination with a Nortel Communication Server, delivers a rich suite of business-grade telephony features to your business. Ideally suited for executive or managerial offices and conference rooms, the IP Audio Conference Phone 2033 fosters collaboration and idea exchange while "untethering" users with 360-degree room coverage. Operating costs are minimized with reductions in both time and travel expenses, along with administration costs, as the IP Audio Conference Phone 2033 integrates seamlessly into a fully converged IP network.

Key features and benefits include:

> Flexible and expandable deployment coverage for small-to-medium conference rooms up to 20 ft. x 30 ft. (6.1m x 9.1m) in size

> "Intra-office" mobility with handsfree full-duplex speakerphone and support of up to two optional expansion microphones

> Enhanced viewing angles and crisp character sets with a 248 x 68, backlit, pixel-based display

> Easy-to-use and efficient phone navigation with ten fixed keys and three soft-label keys

> 802.3af standards-compliant Power over Ethernet or local AC power option via Power over Ethernet Module[1]

> Integrated Visual Alert/Message Waiting Indication LED

> Dynamic IP addressing with a standard DHCP server offers a flexible, simplified solution for handling adds, moves and changes, reducing management costs

[1] Power over Ethernet Module standard with 2033 Release 2.0 units as of July 1, 2006. Release 1.0 and 2.0 units shipped prior to July 1, 2006 can purchase this module separately.

> Added convenience and time savings with field-upgradable firmware using Trivial File Transfer Protocol (TFTP) or UNIStim File Transfer Protocol (UFTP)[2]

> Support for global deployments with icon-based keycaps

> Tight linkage with Nortel Communication Servers delivers robust suite of business-grade telephony features

Technical specifications

Servers supported[3]

- Nortel Communication Server 1000 Release 4.0 (formerly Succession 1000) and Meridian 1 Release 3.0 and later

- Media Gateway 1000B

- Nortel Communication Server 2100 Release SE08 with IPCM 8.0 or later; 2033 firmware must be release S18 for support

- Nortel Communication Server 2000 with Release SN08 with load MR3 or later; 2033 firmware must be S18 for support on this server

Display

- 248 x 64 pixel, Film Super Twist Nematic (FSTN), fully bitmapped, backlit LCD

Fixed and soft-label keys

- Ten fixed keys (Line, Release, Hold, Mute, Up/Down Volume, Scroll Up/Down, Messages, Services)

- Three soft-label keys for easy-to-use navigation

- Visual Alert/Message Waiting Indication LEDs

Nortel IP Audio Conference Phone 2033

User selectable ring tones

Echo Cancellation and Silence Suppression

Dimensions and weight

- Size: (L x W x H) - 14.5 x 12.25 x 2.5 in. (36.8 x 31.1 x 6.4 cm)

- Weight: 1.75 lb. (0.8 kg)

Connectivity

- Ethernet 10/100Base-T

Power

- 802.3af standards-compliant Power over Ethernet or local AC power option available via Power over Ethernet Module

- IP Audio Conference Phone 2033 Release 1.0 units and Release 2.0 units, shipped prior to July 1, 2006, can purchase separately the 802.3af-compliant Power over Ethernet Module, if desired

- Power Dissipation (PoE): 8.5W typical; 10.5W maximum (excluding cable loss); IEEE Class 3 device

- For customers leveraging local AC power, an AC power cable (country specific) is required and must be ordered separately

Loudspeaker

- Frequency response: 300 – 3300 Hz

- Volume: Adjustable to 85 dBm at 1/2 peak meter volume

Administration and security

- Static and Dynamic Host Control Protocol (DHCP)

- Echo Cancellation and Silence Suppression

- 802.1x and Extensible Authentication Protocol (EAP) support within MD-5 enabled networks

- Signaling Encryption via Authentication Encryption Standard (AES 128-bit)[4]

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[2] UNIStim File Transfer Protocol (UFTP) is Nortel Communication Server dependent.

[3] Nortel Communication Server required.

[4] Selected Nortel Communication Servers require Secure Multimedia Controller 2450 (SMC 2450) to support signaling encryption. Consult Nortel Communication Server documentation to determine if this is required for the server of interest.

Protocols
- E.164 dialing
- IEEE 1329 (full duplex)

Codecs
- G.711 (A-law and μ-law) with in-band DTMF signaling
- G.729a

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
- Japan: VCCI Class B
- European Community
  – EN55022/CISPR22 CLASS B
  – EN 55024
  – EN 61000-3-2
  – EN 61000-3-3

Safety
- United States: UL 60950
- Canada: CSA 60950
- European Community: EN 60950
- Australia/New Zealand: AS/NZS 60950 (Aust & NZ deviations)
- IEC 60950: Safety for Technology Information Equipment

Other
- Reduction of Hazardous Substances (RoHS) compliant [5]

Ideally suited for executive or managerial offices and conference rooms, the IP Audio Conference Phone 2033 fosters collaboration and idea exchange while "untethering" users with 360-degree room coverage.

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[5] Nortel Product Engineering Codes (PEC) with an E5 or E6 appendage have been deemed RoHS compliant in response to the European Union Environmental Directive (EUED).

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Have A Question?
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Call Us: 1 877 390 1166

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