



High-end IP Phone IP8840

LG-Nortel IP Phone 8840 Data sheet

Strategic information & communications terminal with high-end functionality

LG-Nortel's IP Phone IP8840 is a strategic information & communications terminal with high-end functionality designed to boost the productivity of knowledge workers and other critical employees including administrative personnel. The enhanced voice quality afforded by wideband codecs in the IP8840 creates a more comfortable communication experience for your office.

Fully-supported, customizable functions with 5 programmable buttons on each side of the LCD, and LCD Key labeling give users the opportunity to communicate with less time wasted dealing with a clunky desktop phone.

The IP8840 also benefits users with flexible deployment with Wi-Fi connectivity and offers the advantage of mobility with the optional Bluetooth™ interface for a wireless headset.

The remote no-touch provisioning feature also saves the hassle and expenses of managing, preloading and re-configuring customer premise equipment for mass deployment.

LG-Nortel IP8840 provides not only high-end functionality but also an ideal combination of a sleek black profile & gray screen to fit with any contemporary office environment.

Key features and benefits include:

- > Enhanced user interface via grayscale 240 x 144 pixels LCD display (9 lines) with white backlight for rich and convenient user experiences
- > Crystal-clear voice with wideband codecs for your comfort
- > 3 soft keys deliver easy access to key features
- > Supports up to 10 line buttons on the phone and up to 34 with the LED or LCD expansion module
- > Flexible connectivity options with traditional wired LAN (10/100 Base-T Fast Ethernet) or Wireless LAN access with the optional IEEE 802.11b/g (Wi-Fi) radio module
- > One-button access to a wired headset
- > Full-duplex speakerphone with wideband codecs for excellent voice quality
- > Enhanced navigation/input options improve ergonomics with four-way navigation cluster for menu operations
- > Voice message and incoming call status LED indicator
- > Convenient Volume Control button provides easy adjustment for this speakerphone, headset, headset and ringer
- > Enhanced configuration using Auto-provisioning with encrypted files for security and password protected Web and Phone-based configuration
- > Integrated Directory/Phonebook for up to 100 contacts (stored in the local directory/phonebook)
- > Call History for the last 100 calls (Missed, Received, Dialed calls and Redial for the last 100 numbers)
- > Small desktop footprint w/dual angle Foot stand
- > Numerous security features plus cost-effective power options with IEEE 802.3af Power-over-Ethernet (PoE), or local power through an optional power adaptor
- > User-friendly interface with fixed and interactive soft key features for common telephone tasks: Call hold/Call waiting/Call park/Call pick up/Call forwarding/ Conference call
- > Call routing table for power users; configure the call routing table to store data and recall any customized number string



10 flexible keys with LCD labels

9 lines 240 x 144 Backlit Graphic LCD

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Technical Specifications

Platform

- IP8840 is inter-operable with several industry-leading carrier-class servers (SIP and MGCP):
 - BroadSoft, Sylanro, Comverse, Cirpack, Nortel, NSN and more

Display

- Backlit graphic LCD
- 240 x 144 pixels, 9 lines

Processor and memory

- CPU: TNETV 1050
- RAM: 32MB SDRAM
- Flash: 8MB Flash

IP Phone mounting

- Integrated Wall mount
- Desktop foot stand (35 or 55 degree)

Programmable keys

- Programmable keys (10) LCD icons for clear status indications
- Supports up to two optional DSS modules w/LCD or paper label
- 12 flexible buttons DSS module

Fixed and soft label keys

- Fixed buttons (8) w/3- color LED (Red, Green, and Orange):
 - Headset, Volume Up/Down, Hold, Transfer, Mute, Speakerphone, DND
- Context sensitive soft keys (3)

Navigation cluster

- Four-way navigation cluster (left, right up, down arrows, and OK button)
- Configuration setting key (2)
- Message key (Voice Message System access)

Administration

- Static and DHCP (factory default), FTP
- Auto provisioning via HTTP/TFTP
- Auto/Remote firmware upgrade

Connectivity/data rates

- Wired connection
 - Integrated 10/100 Base-T Fast Ethernet (Auto-negotiation)
- Wireless connection
 - IEEE802.11b/g Wi-Fi radio Privacy (WEP), WPA -WPA-PSK & WPA2-PSK
 - Bluetooth™ headset profile, Class2[4dBm] for Call answer/ end, Volume control and Call transfer)

Protocol support

- Transport
 - UDP, TCP/IP, STUN, DHCP, NAT, DNS, FTP, TFTP, HTTP/HTTPS, ARP, NTP/SNTP
- Signaling
 - MGCP, SIP, DTMF
- Voice
 - RTP/RTCP

Power

- PoE support -IEEE802.3af (Class2)
- Optional Power Adapter: 48 VDC

Audio quality of service

- Wideband and narrow band

Multi-language Menu support

- English, French, Spanish, Korean, German, Danish and others

Dimensions and weight

- Size-(W x D x H)
23.5cm x 20.6cm x 12.93 cm

- Weight
0.95kg

Operating temperature

- Operation range
0°C to +50°C or +32°F ~ +122°F
- Non- operation range
-20°C to +50°C or -4°F ~ +140°F

Relative humidity

- Operation range
0 to 85% (non-condensing)
- Storage range
0 to 90% (non-condensing)

Regulatory

- CE
 - RoHS(Directive 2002/95/EC)
 - WEEE (Directive 2002/96/EC)
 - R&TTE Directive 1999/5/EC Compliance
- EMC
 - EN55022/EN55024, CISPR22/CISPR24
 - FCC Part 15, ICES-003 Class B
- Safety
 - EN(IEC)60950-1
 - UL60950-1, CSA 22.2 No.60950-1
- Telecom
 - FCC Part68, IC CS03 (Hearing Aid Compatibility)
- RF
 - FCC Part 15.247, RSS-210
 - EN 300 328
- Broadband CoC(Code of Conduct) Ver.3 Compliance.
- Bluetooth Qualification Program Certified
- Wi-Fi Alliance Program Certified(WPA2)