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# NORTEL

## Product Brief

### LG-Nortel IP Phone 8500 Series

The LG-Nortel strategic partnership with Microsoft® provides innovative devices supporting comprehensive Unified Communications solutions. Developed through this partnership, the LG-Nortel IP Phone 8500 series of devices delivers an intuitive and rich people-centric communications experience to employees and executives. These devices enable users to locate and communicate with customers, partners and colleagues in a highly integrated and secured environment using common Microsoft communications and collaboration applications.

With the IP Phone 8500 series, you can take the next step to richly improve your business communications.

- › **LG-Nortel IP Phone 8540** — A professional-level deskset with a fully integrated Microsoft® Office Communicator 2007 Client enabling advanced productivity features for executives, office roamers and those that prefer a fully integrated client on the telephone.

- › **LG-Nortel USB Phone 8501** — A USB audio device targeted at those soft client users who choose to use a handset or speakerphone that fully integrates with the Office Communicator 2007 Client on the PC.

- › **LG-Nortel Wireless Headset 8502** — A USB headset device with *Bluetooth*® wireless technology enabling untethered high-quality communications for the Office Communicator 2007 Client on the PC or any supported device featuring *Bluetooth* technology.

### Advanced system offers great value to the enterprise

Microsoft Office Communications Server 2007 is the intelligence behind comprehensive Microsoft Unified Communications solutions for the enterprise. Office Communications Server 2007 and Office Communicator 2007 introduce software-based technology built on integrating Microsoft's many servers and applications — IM, Presence, voice, video and conferencing — which are essential to the competitive enterprise. Delivering a powerful unified user experience for all modes of





**LG-Nortel IP Phone 8540**

communication, the solution addresses today's often complex and confusing communication environment. Simplifying the user experience while delivering robust and extensive communication and collaboration capabilities improves user performance, productivity and responsiveness to customers and colleagues.

**LG-Nortel IP Phone 8540**  
**Fully-integrated Office Communicator 2007 experience on a phone**

LG-Nortel IP Phone 8540 is an intelligent IP Phone optimized to support and employ the Microsoft Office Communications Server 2007 Unified Communications solution. This highly-reliable hard client combines advanced voice performance with an embedded Office Communicator 2007. The combination delivers superior voice quality using wideband codecs and the power of the communication and collaboration capabilities in Office Communicator 2007.

*Key features and benefits:*

- › Deliver unmatched convenience and fingertip control with a large 5.7 inch (14.5 cm) color touch-screen and an intuitive “simple-touch” user-centric interface

- › Search corporate and personal contacts easily via Microsoft Active Directory® and view their presence status: “Do Not Disturb”, “Out of Office”, “In a Call”, “Away” or “Available”
- › Directory-based dialing
- › Display contact details and have the choice to call user’s desk phone, cell phone or other device listed
- › Assemble contacts quickly and easily into group lists
- › Call forward your phone to another contact or number
- › Set your own presence status from the main screen
- › Add other participants to an active call using the “Conference” key
- › View your personal Microsoft Office Outlook® 2007 calendar, access your messages and missed calls list
- › Utilize the on-screen popup keyboard for text entry
- › Be fully integrated and synchronized with Communicator 2007 Soft Client on the PC
- › Interact with custom-made services built on the Microsoft Windows CE 5.0 Operating System
- › Eliminate the need for two Ethernet “drop” connections when using a PC with the integrated 2-port 10/100Base-T switch
- › Log in from any broadband IP network with Network Address Translation (NAT) support
- › Offers choice for power with Power over Ethernet (PoE) and local AC power options

**Reducing overall costs**

With context-based softkeys, control of complex communication features and functions is at the user’s fingertips. The intuitive user interface simplifies operations, minimizing user training and support calls. Ideal for distributed work stations, users may log on using Biometrics (via fingerprint reader) or PIN which activates the IP Phone 8540 and loads personal information from Office Communications Server 2007 and Active Directory.

For the IT administrator, automated secure provisioning and maintenance protects against misuse and minimizes installation time and resources.

**LG-Nortel USB Phone 8501**  
**Extending the OC Client with a handset/speakerphone**

The LG-Nortel USB Phone is a Microsoft Office Communicator 2007 PC peripheral designed to provide the comfort and familiarity of a handset audio interface. For the user preferring to employ a separate handset with Office Communicator 2007 on the PC, the USB Phone easily connects to the Communicator PC via a USB port. Superior wideband audio delivers clear crisp audio through the handset or speakerphone built into the USB Phone cradle.



**LG-Nortel USB Phone 8501**

Based on the distinctive IP Phone 8540 design, the USB Phone delivers the essential audio features such as wide-band audio, full duplex speakerphone, mute button for hands-free mode and presence indicator.

## LG-Nortel Wireless Headset 8502

### Extending the OC Client with untethered communications

The LG-Nortel Wireless Headset with *Bluetooth* wireless technology cuts the tether to the Office Communicator 2007 PC. For use with any Office Communicator 2007 device, the Wireless Headset eliminates the need of a handset without the office disruption caused by a speakerphone. The Wireless Headset with *Bluetooth* wireless technology lets you roam locally in the office. With a range of 10 meters (32 feet) and a talk-time of six hours, the Wireless Headset is ready for a full day's work; place the ear-bud over your ear and connect to the USB transmitter in the USB port of the Communicator 2007 device. Like all LG-Nortel Communicator 2007 devices, the Wireless Headset supports broadband audio, so calls are crisp and clear.



**LG-Nortel Wireless Headset 8502**

## LG-Nortel IP Phone 8540 specifications

Component	Description
Operating system	Windows CE 5.0
CPU	ARM9+ based microprocessor
Memory	RAM: 64MB, 2 pieces of 256Mb 16MX16 400 MHZ DDR
Flash memory	Flash ROM 32 (4Mbx8) NAND Flash
Display	5.7" TFT color LCD, 320x240 resolution, 6 bits per color
Handset	Standard handset with RJ-22 connector
Headset	Compatible with industry amplified business headsets using an RJ-22 modular jack
USB ports	<ul style="list-style-type: none"> <li>• Type-A and Type-B supported</li> <li>• USB 1.1/USB 2.0 compatible</li> <li>• Full speed (12 Mbps) port</li> </ul>
Presence button/LED	Indicates the presence state of the user
Speaker phone	Full-duplex hands-free mode
Biometrics	Fingerprint sensor (swipe-type)
Touch wheel	<ul style="list-style-type: none"> <li>• Capacitive potentiometer type with SPI serial interface</li> <li>• This facilitates intuitive scrolling through the contact list on the display</li> </ul>
Ethernet switch	2-port Ethernet switch 10/100Base-T with RJ-45 connector ports and activity LEDs. This allows for a direct connection to the network for the phone as well as the collocated PC.
Power	Supports IEEE 802.3af Class 3 Power over Ethernet Optional Power Adapter
Codecs	The following codecs are supported: <ul style="list-style-type: none"> <li>• RT Audio wideband</li> <li>• G.711 _/A</li> <li>• SIREN</li> </ul>

## LG-Nortel USB Phone 8501 specifications

Component	Description
LED indicator	<ul style="list-style-type: none"> <li>• Active Call</li> <li>• Speakerphone</li> <li>• Headset</li> <li>• Message Waiting</li> <li>• Call Forwarding</li> <li>• Presence Icon</li> </ul>
Headset	Compatible with industry amplified business headsets using an RJ-22 modular jack
Speaker phone	Full-duplex, wideband (16-bit, 16,000 samples per second) audio support
Codecs	<ul style="list-style-type: none"> <li>• RT Audio wideband</li> <li>• G.711 _/A</li> <li>• SIREN</li> </ul>
Weight	Approx. 1.1 kg

## Improve your business communications with the IP Phone 8500 Series

For the first time, users can now fully experience the advanced functionality of Office Communicator 2007 on high-quality audio devices using the LG-Nortel IP Phone 8500 Series. From untethered wireless communications to a fully-integrated and synchronized Office Communicator client on a deskset, users will experience the combination of advanced collaboration software and high-quality audio like never before.

## LG-Nortel Wireless Headset 8502 specifications

Component	Description
Headset	Left/Right ear compatible
Button	Volume Up/Down
Multi-function	<ul style="list-style-type: none"> <li>• Power On/Off</li> <li>• Call Control</li> </ul>
Headset LED	<ul style="list-style-type: none"> <li>• White LED – indicates connection and communication status</li> <li>• Green LED – indicates power and charging status</li> </ul>
Dongle LED	<ul style="list-style-type: none"> <li>• White LED – indicates connection and communication status</li> <li>• Presence Icon – multi-color, displays presence status</li> </ul>
Bluetooth compliant	<ul style="list-style-type: none"> <li>• Headset support</li> <li>• Wideband speech profile</li> <li>• Headset/handset profile</li> </ul>
USB	<ul style="list-style-type: none"> <li>• USB 2.0 compliant dongle</li> <li>• Full speed (12 Mbps) device</li> <li>• Emulation of USB Audio devices (Microphone/Speaker)</li> <li>• Requires no <i>Bluetooth</i> stack on PC</li> <li>• USB HID to support buttons and LEDs</li> </ul>
Battery	<ul style="list-style-type: none"> <li>• Rechargeable Li-Polymer Battery</li> <li>• Talk time: 8 hours</li> <li>• Standby time: 3 days</li> <li>• USB recharging via mini-USB port</li> </ul>
Dongle power	USB Bus Powered, meeting USB specifications
Audio	<ul style="list-style-type: none"> <li>• Full-duplex, wideband (16-bit, 16,000 samples per second) audio support</li> <li>• Audio is compressed for transmission via <i>Bluetooth</i> technology, using the SBC codec</li> </ul>



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