



Product Brief

LG-Nortel ipLDK-60

Keep costs low and options open with a voice platform that can support analog and digital lines — and provide a smooth migration to IP.

Enhance employee productivity and increase customer satisfaction with a robust feature set that improves service.

Do it with an affordable and flexible hybrid communication system that fulfills the converged voice and IP needs of your small sites or branch offices.

Introducing the LG-Nortel ipLDK-60

The LG-Nortel ipLDK-60 combines innovative, flexible architecture with the latest in Voice over IP (VoIP) technology and advanced applications to offer a new type of communication platform to small and medium-sized businesses.

Designed to support both analog and digital lines, the ipLDK-60 is ideal for businesses that have a mix of technologies — or are planning to transition from analog to digital phones. Whatever your needs, ipLDK-60 can deliver. And, as your business requirements change, both in capacity and features, the ipLDK-60 can change with you. All you

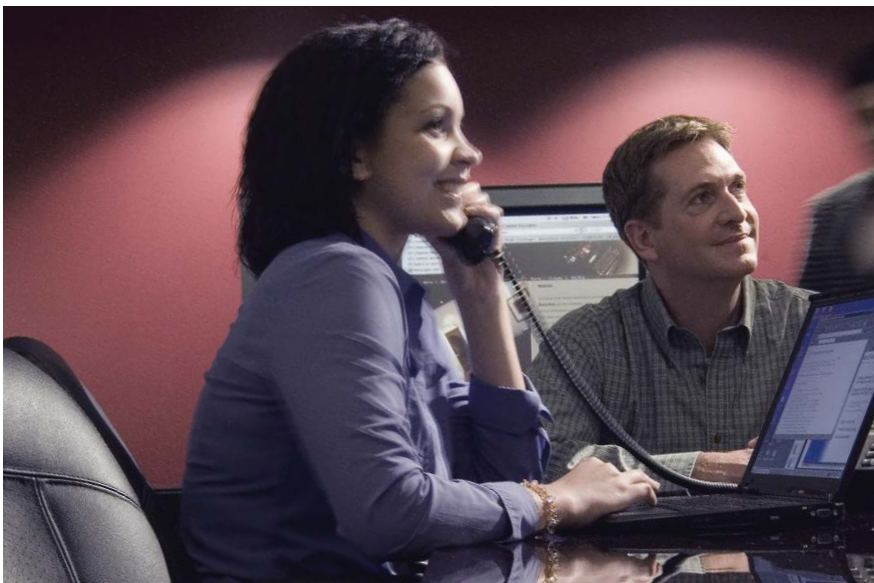
have to do is add software and system expansion modules to take your business communications to the next level.

Feature-rich — for a rich user experience

The ipLDK-60 basic service unit provides a variety of powerful telephony features for effective business communications, including Short Message Service (SMS) through fixed line, Caller ID (CID) and conferencing. The system also offers advanced PABX options — such as voice mail, interactive voice response (IVR) and IP connectivity. The following options can be enabled through the activation of a simple keycode:

- **TAPI Interface** – Allows any third-party TAPI software to interface with the ipLDK-60 — activated on a per-system basis
- **EzPhone** – Activate a Windows-based TAPI soft phone for 48 users
- **Phontage** – Windows-based VoIP soft phone activated on a per-user basis
- **IP Networking** – Activate up to 72 nodes for IP networking on a per-system basis
- **ezAttendant** – Windows-based PC attendant console activated on a per-system basis

* Each system requires its own license key.



Advanced IP telephone system IP Switch for IP extensions



Simplicity and intelligence in one platform

A simplified architecture provides plug-and-play capabilities with full hybrid extensions, scalability up to 48 ports and user-friendly operations, administration and maintenance tools. Through its plug-and-play facility, the ipLDK-60 delivers maximum flexibility; it can support a variety of terminals including analog SLT, fax, and digital and IP phones. When connecting external lines, the ipLDK-60 can differentiate fax from voice and automatically deliver them to the appropriate terminal type.



The ipLDK-60 platform supports analog, digital and IP telephone sets and clients.

Ready for IP — when you are

The IP-enabled ipLDK-60 platform allows you to migrate from today's hybrid environment to IP at your own pace. Affordable, IP expansion cards are available and easy to install when your business is ready to transition to IP. So whether that time is now or down the road, your options are open and your investment secure.

Keeping productivity high and costs low

Whether your business has four employees or forty-eight, improving your bottom line is usually top of mind. The ipLDK-60 includes several call budget control capabilities to minimize your communications costs. For example, call traffic monitoring and forced call control by an authorized manager prevent employees from abusing company phone resources. Least call routing (LCR) pre-selects the cheapest call routes for prepaid calls — ensuring the lowest cost and great value every time.

The ipLDK-60 supports:

- Analog phones with calling ID using FSK or DTMF
- LG-Nortel softphones
- Select LG- Nortel digital and IP phones

Business communications made simple

More than 15 million small and medium business users around the world depend on Nortel. We can bring the power of IP, wireless networking, network security and the latest in voice technology to your business.

We will work with you to help you choose the right products and services for your business. And as technology continues to evolve, you can count on Nortel to offer upgrade options that extend the value of your existing investments.

Find out more about how Nortel communication solutions can help you boost employee productivity and satisfaction, streamline business operations and costs, and deliver superior customer service. Contact your local reseller or visit www.nortel.com/ipldk60.

Technical specifications

Physical specifications

ipLDK-60 System BKSU

- Weight: 2.0 Kg
- Height: 28.8 cm
- Width: 33.9 cm
- Depth: 8.5 cm

Network protocol and standards compatibility

VoIP Ethernet / MBU Ethernet

- IEEE 802.3 10BASE-T (ISO/IEC 8802-3, Clause 14)
- IEEE 802.3u 100BASE-TX (ISO/IEC 8802-3, Clause 25)
- IEEE 802.3u Auto negotiation on Twisted Pair (ISO/IEC 8802-3, Clause 28)

PSTN Caller ID

- TELEBRAS220-250-713 (STANDARD)
- ETSI EN 300 659-1

PSTN SMS

- ETSI ES 201 912

VoIP QoS

- ToS (VOIP supports only TOS, not DSCP, but user can configure DSCP using admin program fields regarding ToS function)

Default IP address

- MPB basic LAN port (192.168.1.1)

Environmental

- Operating temperature: 0° to 40°C (32° to 104°F)
- Storage temperature: -20° to 60°C (-4° to 140°F)
- Operating humidity: 0 to 80% maximum relative humidity, noncondensing
- Storage humidity: 5 to 95% maximum relative humidity, noncondensing

Electrical

- Input voltage (AC version): 100 to 240 VAC @ 50 to 60 Hz
- Input power consumption (AC version):
 - ipLDK-60 BKSU: 47.56W maximum
 - ipLDK-60 EKSU: 37.0W maximumMaximum configuration: 84.56W
- Input current (AC version):
 - BKSU : 0.7 A @ 100 VAC, 0.45A @ 230 VACMaximum configuration
1.24 A @ 100 VAC, 0.8A @ 230 VAC
- Maximum thermal output:
 - ipLDK-60 BKSU : 162 BTU/hr
 - ipLDK-60 EKSU : 126 BTU/hrMaximum configuration : 288.61 BTU/hr
- Calculated MTBF @ 25°C:
 - ipLDK-60 MBU: 64,618 hrs

EMC Agency Approvals to the latest release of the following standards

- Resolution No. 237/442 Class B

Safety Agency Approvals to the latest release of the following standards

- Resolution No. 238

RFC support

1. RFC Number of TCP/IP Stack or HTTP
RFC 791 (IP); RFC 792 (ICMP); RFC 793 (TCP); RFC 826 (ARP); RFC 768 (UDP); RFC 1945 (HTTP v1.0)
2. RFC Number of SIP: RFC2543; RFC3261
3. RFC Number of H.323: ITU-T H.323, H.450, H245
4. RFC for MBU basic LAN port : RFC 791 (IP), RFC 793 (TCP), RFC 826 (ARP), RFC 768 (UDP)

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For more information, contact your Nortel representative, or call 1-800-4 NORTEL or 1-800-466-7835 from anywhere in North America.

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