



Product Brief

Nortel T7406E Cordless Digital Telephone

How can your company ensure that being away from the desk does not become a barrier to productivity? What's the best way to provide connectivity for employees who are always on the move in your building? Shouldn't there be a way to leave your desk, without leaving behind your telephone and all its capabilities that you rely on every day?

The answer is the Nortel T7406E Cordless Digital Telephone. It enables employees on the move to stay in touch with desktop productivity features in a wide variety of settings, whether it's an office, manufacturing line, retail store, healthcare clinic or other typical business environment.

Best-in-class performance

The T7406E ('E' for enhanced) represents the right fit between small business mobility feature requirements and affordability. It's a high-quality, stylish design with best-in-class performance based on Nortel's leadership in wireless technology. This enhanced digital cordless phone is attractively priced compared to other cordless models on the market. The result is a great leap forward in mobility price/performance.

Nortel designed the T7406E based on extensive customer research. Among the top inputs were a smaller handset, more range away from the base and great audio quality across a variety of office, retail, manufacturing, healthcare and other environments. The T7406E delivers all of that, and more.

The richest feature set

Today people expect their in-office mobility handset to mirror their familiar cell phone or cordless phone at home. The T7406E meets this expectation, but with the additional value — and productivity benefits — of delivering all the PBX features of

a desktop phone. (In fact, T7406E handsets may be "twinned" with a desktop set.)

The T7406E provides all of the functionality packed into our Norstar and Business Communications Manager (BCM) solutions, such as caller ID, conferencing, managing two calls simultaneously, voicemail, abbreviated dialing capability and more.

The benefits? As just one example, retail associates or any other "always mobile" workers can use one telephone number and receive all calls on both their desk set and their wireless T7406E handset. They may even eliminate their desk set altogether



and use the T7406E to remain connected regardless of their location within the building.

The result? Associates are more available to customers, dramatically reducing the amount of call-back messages. There is no need to use the overhead paging system that may disturb customers and annoy employees. Floor staff can have instant access to store promotions or special pricing information right on the spot.

Meanwhile, there are convenient cell phone-like features, such as toggling between vibrate/silent modes, which helps employees remain responsive to customer calls but avoid a disturbing ringer tone when talking in person with customers. The T7406E also includes a signal strength indicator and an audible alert that sounds when the user is close to going out of range during a call.

Better ergonomics, longer battery life

The stylish and compact design of the unit itself, with backlit keypad and LCD display, is much more ergonomic and portable than previous generations. The three-line (3 x 16) display puts more information quickly in reach. T7406E has an extensive battery life and extremely quick recharge time, which pays off in applications where employees work in shifts and there are no “off hours” for re-charging. The T7406E is ready when and where it’s needed.

The payoff of increased mobility is easy to realize in, for example, the hospitality industry, where managers need to oversee multiple areas on the property. By roaming with the cordless digital handset, they can avoid expensive cellular or pager charges. Staff can use T7406E to communicate the status of a room (vacant, cleaned, under repair) or

Greater mobility = Greater benefits

• Increased productivity

Norstar and BCM features like caller ID, voicemail, conferencing, directory integration and contact center extend away from the desktop.

• Improved customer service

Be instantly available to customers, and virtually eliminate the need to ever put a customer on hold because you need to change your own location.

• Cost savings

Competitive price point; reduces or eliminates unnecessary long distance, cellular and pager charges.

• Improved employee satisfaction

Remove the nuisance and disruption of overhead paging and the hassle of searching for a telephone to return calls.

• Increased collaboration

Greater mobility facilitates tighter and more efficient real-time communications, immediate access to information.

even the expected wait time at the hotel restaurant — or request urgent property maintenance.

Three times the effective range

The T7406E’s range is truly best-in-class, stretching to 1,000 feet (line of sight). That is important in any application, but consider the advantage in light manufacturing, where downtime can mean major losses. In a situation where a problem arises on the line, a supervisor can use the T7406E to instantly conference in other parties, such as machinists, product designers or even inventory clerks, and quickly resolve the problem. The T7406E can also help ensure workplace safety by enabling the instant broadcast of a message to a particular location within the manufacturing facility, or factory-wide.



Enhanced audio quality

The audio quality is exceptional. Nortel has designed in complementary radio technologies, such as G729 compression, to deliver clearer signals and minimize noise or interference. The T7406E is “Wi-Fi friendly”, making it a great fit for the many businesses that have equipped their offices with a wireless LAN (based on IEEE 802.11b). The Nortel handset automatically adjusts for the presence of wireless data networks when they are detected, and the associated channel frequencies are avoided.

Keeps private communications private

For security, the T7406E uses a new 64-bit encryption as defined for DECT (Digital Enhanced Cordless Telecommunications). The encryption key is generated every time the handset goes from an off-hook state to an on-hook state.

An upgrade path anyone can follow

If you’ve been considering a Nortel voice solution, the unprecedented price/performance of the T7406E is an excellent reason to look more closely at our Norstar Integrated Communication Systems and our BCM 50/200/400 solutions. If you’re already a Nortel customer, the T7406E is completely backward- and forward-compatible, so you can purchase it today with confidence you’ll still reap the benefits even as you add to your existing voice infrastructure, or migrate from Norstar to BCM.



T7406E complements other Nortel SMB mobility offerings

Digital Mobility and Wireless LAN are two other Nortel SMB portfolio offerings that are very attractive for campuses and/or rugged environments. Nortel’s WLAN solutions also enable voice and data convergence. By comparison, the T7406E is a lower cost, simpler, voice-only solution that is particularly well-suited to the needs of small-site SMBs.



Rest easy with Nortel SMB voice solutions

One of the strongest advantages of Nortel solutions is that they are developed, marketed, serviced and supported by Nortel and our expert channel partners. You know you will benefit from industry-leading quality, world-class service and support, and migration paths that protect your investment.

T7406E technical summary

- Frequency: 2.4 GHz
- Supporting radio technologies: Spread Spectrum, Frequency Hopping, Antenna Diversity, Multicast Signaling, G729 Compression
- Range: 1,000 feet (350 meters) clear line of sight as per independent lab tests
- Battery life: 5 hours speak, 36 hours standby
- Dimensions: 138 mm height, 53 mm width, 53 mm depth
- Handset features include hands-free/speakerphone, vibrate/silent mode, 20 name directory, back light and message waiting options, signal strength indicator and out-of-range audible alert

Compatibility matrix

The T7406E has been specifically designed to be compatible with all iterations of Norstar 3x8, 6x16, 8x24, CICS and MICS KSUs as well as all iterations of the BCM50, BCM200/400 and BCM1000.

Product bundling

There are two primary product bundles available:

Full Pack (base configuration)	<ul style="list-style-type: none">• 1 T7406E Cordless Handset• 1 Handset charging stand• 1 power supply for charging stand• 1 belt clip• 1 T7406E base station• 1 power supply for base station• 1 line cord (used to connect single port on base station to digital station port)• Quick User Guide and Quick Installation Guide
Half Pack (for incremental number of users)	<ul style="list-style-type: none">• 1 T7406E Cordless Handset• 1 Handset charging stand• 1 power supply for charging stand• 1 belt clip• Quick User Guide and Quick Installation Guide

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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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BUSINESS MADE SIMPLE

In the United States:

Nortel
35 Davis Drive
Research Triangle Park, NC 27709 USA

In Canada:

Nortel
195 The West Mall
Toronto, Ontario M9C 5K1 Canada

In Caribbean and Latin America:

Nortel
1500 Concorde Terrace
Sunrise, FL 33323 USA

In Europe:

Nortel
Maidenhead Office Park, Westacott Way
Maidenhead Berkshire SL6 3QH UK

In Asia:

Nortel
United Square
101 Thomson Road
Singapore 307591
Phone: (65) 6287 2877