

# TOSHIBA

Leading Innovation >>>



COLLABORATION



## Wireless SIP DECT IP4100

### In-building Wireless Made Easy

In most organizations, the work isn't tied to a desk, but the phone system often is. Free your employees to go where the work gets done, while staying connected, with Toshiba IP4100 phones as extensions on your IPedge,<sup>®</sup> VIPedge<sup>™</sup> or Strata<sup>®</sup>CIX<sup>™</sup> phone systems.

### Wireless Made Affordable for Two or 200 Users

This cost-effective, in-building wireless solution scales from one to 200 handsets. If you need just a few cordless phones for a small office, get the starter kit, which includes one base station and three phones with chargers. Then grow as you go. You can register up to 30 handsets to a single base station, up to 40 base stations per system, up to 200 handsets total.

### A Quality User Experience

Cordless SIP telephones with backlit, color screens enable you to take your desk phone functionality with you as you roam down the hall, to the cafeteria or conference room, or around the warehouse. The HD voice-enabled speaker and microphone allows for crystal clear speech. The Li-ion battery supports more than 20 hours talk time and 200 hours standby time in normal operations.

The handsets have other desirable features, such as a backlit keypad for low-light situations, three soft keys, four program-mable feature keys, a headset jack, high-quality speakerphone, vibration ring—even a belt clip.

Each base station can support 8-10 simultaneous calls, so if you have a group of people in a conference room talking on their cordless phones at once, all of them will have clear talk, no static. Calls can hop between base units with no audible quality loss.

### Simple to Deploy and Manage

Wireless handsets connect via SIP to wireless access points (base stations) that use the latest cordless technology, DECT 6.0 (Digital Enhanced Cordless Telecommunications).

Back at users' desks, the handset rests in a stand that charges the phone and a spare battery.

**Easy installation.** Sleek base stations, about 6" x 8", sit on a desk or shelf, or mount to a wall—and connect to your LAN over standard Ethernet cable. Base stations can get their power over the Ethernet connection as well; there's no need to plug them into an electrical outlet. The wireless SIP handsets connect directly to the IPedge or to a SIP card on the Strata CIX system.

**Easy monitoring and management.** A graphical, Web-based management tool simplifies administration and installation. Software upgrades can be sent directly to handsets over the airwaves from one central location.

**Wide coverage.** In a typical office setting, the bases would be about 80' from each other, delivering services about 300' away in an open space or 150' in an obstructed environment. An omni-directional antenna makes it easy for base stations to talk to each other and seamlessly hand off calls.

**No interference.** DECT 6.0 technologies operate in the 1.9 GHz range (1920-1930 MHz), compared to 2400 MHz and up for Bluetooth,<sup>®</sup> Wi-Fi,<sup>®</sup> 2.4 Gigahertz services and microwaves. Your IP4100 phones won't compete with cellular or 802.11 network services.

### Safe From Eavesdropping

Security could be a concern with off-the-shelf SIP wireless phones on a Wi-Fi network. But IP4100 phones use DECT 6.0, a completely closed, secure environment with digital encryption.



## SPECIFICATIONS

<b>System Compatibility</b>	Works with Toshiba's entire family of Strata® CIX,™ IPedge® and VIPedge™ business phone systems
<b>Capacities</b>	Up to 200 handsets per system Up to 40 base units per system Register up to 30 handsets per base unit Support for 8-10 simultaneous call sessions per base unit
<b>Multi-base and Roaming Support</b>	Seamless roaming between base units in a multi-base configuration Seamless handover and no audible quality loss during roaming
<b>Base Power Requirements</b>	AC Adapter or Power over Ethernet
<b>Technology</b>	SIP DECT 6.0 frequency support with encryption G.711 audio codecs
<b>IP4100-DECT Handset Features</b>	2.0 inch color TFT back-lit display Lithium Ion battery for long talk time and standby time Wideband voice (HDSB) basic and extended operations Over-air feature upgrade support DECT 6.0 frequency support with encryption Backlit keypad for easy operation in low-light environments Laser-etched keypad numbers for extended life use Three soft keys for ease of operation Four programmable feature keys for flexibility in operations 2.5 mm headset jack Polyphonic ringer and vibration ring Additional battery charging station in handset charger High-quality speaker phone Belt clips
<b>IP4100-BASE Access Points Features</b>	Attractive design Power over Ethernet support Omni-directional internal antenna for flexible installation options Antenna diversity switching to avoid interference Frequency support 1920-1930mhz with Wi-Fi avoidance technology Color LED status indication for ease of installation and operation Easy installation via Web GUI interface Built-in troubleshooting tools

**TOSHIBA**  
Leading Innovation >>>



Toshiba America Information Systems, Inc.  
Telecommunication Systems Division

9740 Irvine Blvd., Irvine, CA 92618-1697  
To locate an Authorized Dealer, call: (800) 222-5805  
National Accounts (800) 234-4873  
www.telecom.toshiba.com

© 2013 Toshiba America Information Systems, Inc. All product, service and company names are trademarks, registered trademarks or service marks of their respective owners. Information including without limitation specifications, availability, content of services, and contact information is subject to change without notice.

Literature Order #: TSD-POC-IP4100-VE/4500175