

# Digital DECT Handset



## At a Glance

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- Delivers on-site mobility that improves efficiency and productivity
- Provides a cost-effective wireless solution built on proven technology
- Offers crystal-clear speech and secure air interface through powerful encryption
- Improves customer satisfaction by increasing user accessibility
- Installs quickly and easily
- Supported on the UNIVERGE SV9000 Series Communications Platforms

## Overview

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To stay competitive, businesses must find ways to do more with less while ensuring that their customer service levels remain high. With NEC's Digital DECT Handset for our UNIVERGE SV9000 Series Communications Platforms, you are able to provide your employees with a more flexible work environment through wireless telephony. This flexibility extends the reach of your voice communications and enables your employees to remain productive while away from their desk.

Through the superior quality and features of Digital Enhanced Cordless Telephony (DECT) technology, this cost-effective solution simplifies mobility and enables secure, crystal clear voice communications.

## Solution

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### Improves Customer Satisfaction

Offering customers a quick, direct way to reach your employees without jumping through hoops improves customer satisfaction rates. Digital DECT enables your company to deliver this level of service by providing workers a way to be reached - even while they are away from their desks. When office and campus users have access to a system that features fixed and wireless connectivity with exceptional voice quality, seamless handover and a secure air interface, they can offer the outstanding service that your customers deserve.

### Increases Productivity

NEC's Digital DECT Handset can increase the productivity of almost any organization. By giving your employees the ability to access communications features while away from their desks, you enable them to complete multiple tasks simultaneously. And because your employees can answer calls directly, reception workers and administrative assistants are free to complete other work.

### Reduces Communications Costs

Because most calls can be answered immediately, callback charges are minimized. Additionally, no internal call costs are associated with

a Digital DECT Handset. This mobile handset provides the optimal approach for flexible businesses. A single converged network can be used to provide both fixed and wireless telephony and reduce dedicated cabling requirements. Move, add and change costs in addition to cabling expenditures are reduced.

## Installs Quickly and Easily

Installing Digital DECT is easy, and your data and network remain secure. All wireless communications are encrypted to protect the privacy of both you and your customers. Digital DECT also provides feature transparency on network platforms plus a host of additional features. With all of these benefits, NEC's Digital DECT Handset can make your business stand out in the crowd.

Handset Specifications	
Supported on	UNIVERGE SV9100, SV9300 and SV9500 communications platforms
Compliance	FCC and IC part 15
RoHs	Yes
Frequency	1.9G (1920-1930 MHz) DECT6.0
Audio Process	Digital (ADPCM)
Operating Temperature	0° - +50°C
Transmission	TDMA/TDD
Channels	5
ID Combinations	130,000
Features	<ul style="list-style-type: none"> <li>• Wi-Fi Friendly</li> <li>• 2 line, 24 digit LCD Display</li> <li>• Color 240x320 QVGA LCD</li> <li>• LCD and Backlit Keys</li> <li>• 12 Programmable Keys</li> <li>• Automatic Channel Selection</li> <li>• Auto Standby®</li> <li>• Low Battery Protection</li> <li>• Wall Mountable Base and Charging Units</li> <li>• Vibrating Ringer</li> <li>• Adjustable Ringer</li> <li>• 6 Ring Tones</li> <li>• Handset/Headset/Speaker Volume</li> <li>• Out of Range Detection and Alarm</li> <li>• Separate Charging Stand</li> <li>• 1-Key Access to Conference, Hold, Transfer, and Redial</li> </ul>

## Digital DECT Repeater

The Digital DECT Repeater lets you extend the coverage area of your Digital DECT Handset system in all directions, including up and down. The repeaters are installed so their coverage area overlaps the coverage area of the base - then the base hands-off calls to the repeaters as the user moves from one coverage area to another. When connected to the repeater, the mobile handset operates exactly as it does when connected to the base. Hand-off from the base to the repeater is imperceptible to the user, even during an active call.

Digital DECT Repeater	
AC Power Adapter Input	120V, 50-60 Hz, 90mA (RJ-11)
AC Power Adapter Output	5 V dc, 620 mA
Frequency Band	1880MHz – 1900MHz
Transmit Power	240mW (+24dBm)
Receiver Sensitivity	<-92 dBm at 10-3 BER
Standard	DECT
Features	<ul style="list-style-type: none"> <li>• Up to 6 repeaters per base</li> <li>• Low power consumption</li> <li>• Verifies repeater connection</li> <li>• Up to 3 repeaters in sequential or daisy chain layout</li> </ul>
Receive/Transmit Frequency	1920-1930 MHz
Power Requirements	Nickel-Metal Hydride AAA
Size	1 7/8" W x 3/4" D x 5 1/2" H
Weight	108g (Handset = 84g + Battery Pack = 24g)
Battery Capacity	900 mAh AAA, 2.4 V
Talk Mode	16 hours (typical)
Standby Mode	7 days (typical)

Base Unit	
Receive/Transmit Frequency	1920 – 1930 MHz
Power Requirements	9 V from supplied AC adapter
Size	58mm (H) x 215mm (D) x 130 mm (W)
Weight	410g

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