

## UNIVERGE Terminal MH250 In-building Telephone

### High-quality Voice Service While on Campus

UNIVERGE® Assured Mobility™ is NEC's newest generation wireless LAN (WLAN) communications solution, connecting people to people and information—anytime, anywhere, on any device. The UNIVERGE Wireless Optimized Architecture™ (WOA) is the power behind Assured Mobility, bringing a new level of intelligence to your network and maximizing your mobility experience.

The MH250 is NEC's VoWLAN phone that provides unsurpassed voice and messaging service over the WLAN from any UNIVERGE WL1500-AP.

The MH250 is designed to provide the features you need while mobile. Integrated phone book and speed dial lists make it easier to connect people quickly. In addition the MH250 includes IM between MH250 and SP30 terminals providing new ways to communicate. Call forwarding, transfer, HOLD and voice-mail indications are included.

### Bandwidth control/Load balancing

Bandwidth is assured when using an MH250 to originate a call. If the closest AP is not available, another suitable AP is used for the connection.

### High-quality service

The WOA elevates mobility to a new level by giving voice packets the highest priority. The VoWLAN MH250 is designed to take advantage of WOA and provide high-quality voice service—no dropped calls and excellent fidelity everywhere in the building or on campus.

### High-speed handover

Unlike current methods of handover where the decision is based on signal strength only, the WOA, in conjunction with the MH250 software, obtains a list of suitable AP(s) from the WLAN controller ensuring the best throughput from each AP. The handover is processed seamlessly.

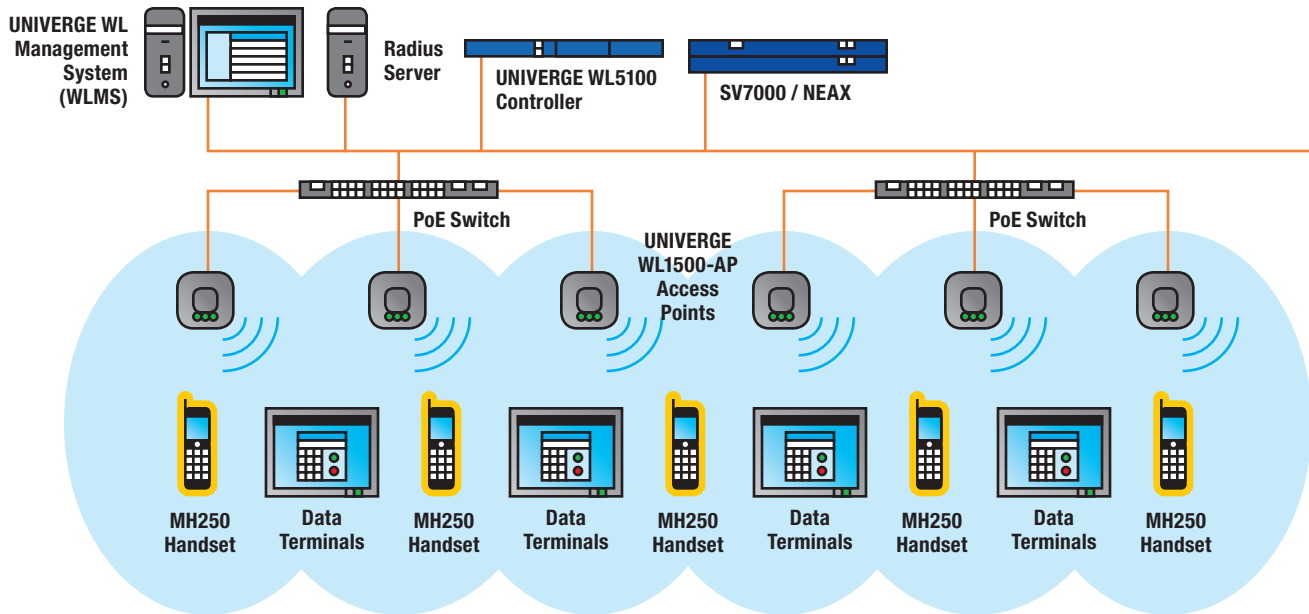
### Battery power-saving mode

When the MH250 is in stand-by mode, the phone receives signals intermittently, and sleeps while not receiving signals, in order to extend battery charge time. During a call, the phone sleeps when the phone receives no signals.

**For more information, visit [necunified.com/wlan](http://necunified.com/wlan).**



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Note PC and VoWLAN phone mixed in single segment

## Specifications

### UNIVERGE VoWLAN MH250 In-building Telephone

<b>Wireless Interfaces</b>	IEEE802.11b (RCR STD-33/ARIB STD-T66) + WLAN Extension
<b>Voice Codec</b>	G.711, G.729a, Payload Cycle: 20ms, 30ms, 40ms
<b>Control Protocols</b>	SIP (RFC3261) + SIP Extension
<b>Security (Authorization &amp; Encryption)</b>	Static WEP (64/128)
<b>Protocols</b>	UDP, HTTP, DHCP
<b>Talk Time / Standby Time</b>	180 Minutes / 85 Hours
<b>Display</b>	LCD, Monochrome (graphical type) 102 x 65 pixels
<b>Language</b>	English
<b>Main Features</b>	Instant Message (300 bytes), Phonebook (Up to 200 entries), Call History (Up to 20 entries), Speed Dial (Up to 10 entries), Courtesy Mode
<b>Ringing Melody</b>	Melody: 3 patterns, Sound: 3 patterns, 5 level tones
<b>Battery</b>	Lithium Ion
<b>Environment</b>	Temperature: 0°–40° C, Humidity: 20–90%
<b>Dimensions (HxWxD)</b>	128.1 x 46.2 x 26.7 mm
<b>Weight</b>	Approximately 136g (including battery)

UNIVERGE® is NEC's framework to enable IP applications on converged networks while providing deployment flexibility and investment protection. UNIVERGE is an open and standards-based IP architecture, ensuring interoperability with other broadband media, IT equipment and business applications. It also enables seamless and mobile communication in a multi-network environment.  
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Founded in 1899, **NEC Corporation** is one of the world's leading providers of Internet, broadband network and enterprise business solutions dedicated to meeting the specialized needs of its diverse base of customers. Ranked as one of the world's top patent-producing companies, NEC has been a global innovator in the design, manufacture, service and installation of communications networks ranging from just a few stations to several thousand.

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