

## **Wi-Fi TELEPHONY FOR THE ENTERPRISE**

- Leverage Wi-Fi wireless LAN infrastructure for voice and data applications
- Dramatically improve mobility, responsiveness and productivity
- Deliver superior voice quality and digital features throughout the workplace
- Integrate seamlessly with legacy and IP PBX systems
- Proven durability for use in all business environments
- Operate easily without extensive training

### ***The Wireless Convergence Solution***

NEC, the leader in workplace Wi-Fi Telephony, offers the industry's most comprehensive portfolio of devices for enterprise wireless networks. MH100 Series Mobile Handset operate on a converged voice and data infrastructure to reduce costs and simplify management while significantly improving employee mobility, responsiveness and productivity. MH100 Series Wireless Telephones provide the richest possible functionality while integrating with a broad range of enterprise applications and networks.

### ***MH Mobile Handsets***

#### **MH110 MOBILE HANDSET**

The MH110 Mobile Handset supports a broad range of enterprise applications and is ideally suited for the general office, financial or hospitality industries. This compact handset offers a rich set of features including a high-resolution graphic display, menu-driven functions and messaging capability — all within a lightweight, ergonomic design. The MH110 Mobile Handset provides exceptional voice quality and mobility at an affordable price. Carrying options and accessories are available to suit users in every work environment.

#### **MH140h MOBILE HANDSET**

The MH140h Mobile Handset is uniquely designed to meet the challenging needs of the healthcare setting. The small and lightweight design is ideal for healthcare workers who are constantly on the move. NEC's innovative design, advanced manufacturing and testing process ensures the MH140h Mobile Handset is durable enough to withstand the rigors of the healthcare environment. Because healthcare institutions operate on a 24-hour basis, the MH140h Mobile Handset comes standard with a backlit display and keypad for dimly lit conditions. Supported charging options include single, dual and quad chargers to ensure that fresh Battery Packs are rapidly available for round-the clock operation.

#### **MH120 MOBILE HANDSET**

The MH120 Mobile Handset is the industry's most durable handset for workplace applications. Only NEC combines innovative design, advanced manufacturing and testing processes to ensure handset durability. The six-button MH120 Mobile Handset is extremely simple to use, requires minimal training and is durable enough to withstand the rigors of an industrial environment. Push-to-talk functionality is also available for broadcast communication between employees, eliminating the need for two-way radios or walkie talkies. The large earpiece seals out background noise and provides comfort for frequent or lengthy calls. A complete set of accessories is available including headsets, chargers and carrying cases.



## **NEC — PUTTING WIRELESS TO WORK**

NEC helps thousands of commercial enterprises improve productivity, responsiveness and customer service. The comprehensive portfolio of workplace devices combined with a standards-based architecture, enterprise telephony integration and exceptional voice quality, makes NEC the right choice for Wi-Fi telephony.

### **MH MOBILE HANDSETS**

#### **FEATURES**

- 802.11b (Wi-Fi) standard-compatible
- Excellent voice quality on converged wireless networks
- Seamless integration with IP and traditional enterprise telephone systems
- Standard and proprietary VoIP protocol support
- Text messaging support via Open Application Interface
- Four programmable softkeys supporting up to 16 programmable features
- Audible and vibrating ringers
- Quad battery charging option (140h/120)
- Integrated TFTP client
- DHCP or static IP addressing
- Extended talk time up to four hours
- Backlit keypad (140h)
- Liquid damage warranty (140h)
- High impact strength plastics (140h/120)
- Push-to-talk mode (120)
- Single and dual charging options (all models)

#### **MH110/140h/120 MOBILE HANDSET SPECIFICATIONS**

Radio frequency:	2.4000 - 2.4835 GHz
Transmission type:	Direct sequence spread spectrum
Transmit data rates:	11, 5.5, 2, 1 Mb/s, auto rate selection
Transmit power:	100 mW max (adjustable), < 10 mW average
Wireless QoS:	NEC Voice Priority (SVP), Wi-Fi Multi Media (WMM) Codecs: G.711 (A- and $\mu$ -law), G.729 AB
Wireless security:	Standard WEP 40 bit and 128 bit Cisco Fast Secure Roaming (FSR) Wi-Fi Protected Access (WPA) and Wi-Fi Protected Access 2 (WPA2) with Pre-Shared Key (PSK)
FCC certification part:	15.247
Display:	Backlit dot matrix display with icons and line-status indicators
Dimensions:	5.5" x 2.0" x 0.9" - MH110/140h Mobile Handset 5.9" x 2.2" x 1.0" - MH120 Mobile Handset
Weight:	4.2 ounces - MH110/140h Mobile Handset 6.0 ounces - MH120 Mobile Handset
Battery capacity:	Four hours talk time, max. 80 hours standby (maximums)



#### **MH110 MOBILE HANDSET**

The MH110 Mobile Handset is the ideal wireless handset for busy office environments.



#### **MH120 MOBILE HANDSET**

The MH120 Mobile Handset offers a durable design with exclusive push-to-talk functionality.



#### **MH140h MOBILE HANDSET**

The MH140h Mobile Handset combines a lightweight form factor and enhanced durability for use in 24-hour shift-based environments.