

# MX9

## Mobile Computer

To earn the right be called "ultra-rugged," a device must test to an IP rating of 67, a 6-foot drop to concrete, and a 2,000 cycle 1-meter tumble test. But the true tests of the MX9 don't happen in a lab. The MX9 proves itself on the loading dock when a worker uses it as a hammer to repair a palette; when a farmer trusts it as his sole connection to suppliers; and when workers use the device in a widening spectrum of demanding conditions.

To what kind of test will you subject the MX9? Push the PXA 320 processor with quick-turn browser-based applications. Use the WWAN radio and GPS to stay connected from the most remote locations.

From the port to the wheat field. From the warehouse to the construction site. From our tests to yours. Put the MX9 through its paces today.



### **Features**

- Ultra-Rugged: Lowers total cost of ownership and reduces downtime with an IP67-rated design that has the ability to withstand multiple 6' drops to concrete and 2,000 1m tumbles
- Anywhere Wireless Connectivity: Supports real-time connectivity to critical information with WWAN radio, GPS, and WLAN
- Customizable Keyboard: Increases worker productivity and ease of use with a fully mappable keyboard with 10 one-touch function keys
- Outdoor Display: Transflective display technology is readable, even in direct sunlight, for port, intermodal and other customers requiring outdoor data collection

### **MX9 Technical Specifications**

Dimensions         9.9° x 3.9″ x 2.7″ (251mm x 99mm x 69mm)           Weight         2.1 lbs, (34 oz.) with scanner, 802.11, Bluetooth and handstrap           Operating Temperature         -4° to +158°F (-20° to +50°C)           Storage Temperature         -4° to +158°F (-20° to +70°C)           Humidity         5 to 95% non-condensing           Drop         Withstands multiple of (1.8 m) drops to concrete           Tumble         2,000 (1m) tumbles per IEC 60068-2-32 specification           Environmental Sealing         Independently certified to meet IP67 standards for moisture and particle resistance           ESD         15KV Air discharge, 8KV contact discharge           System Architecture         PYX3220, 800MHz           Processor         PXA320, 800MHz           Operating System         Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5           Memory         128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion           Display         3.7″ (94 mm) QVGA (240x320), transflective           Touch Panel         Resistive touchscreen with stylus           Keypad         Backli 62-key alphanumeric, 38-key numeric-alpha           Audio         Microphone, Speaker with adjustable volume control           I/O Ports         RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector           Battery         Li-ion, 11.1V, 2.	
Operating Temperature  -4" to +122"F (-20" to +50"C)  Storage Temperature  -4" to +158"F (-20" to +70"C)  Humidity  5 to 95% non-condensing  Prop  Withstands multiple 6" (1.8 m) drops to concrete  Tumble  2,000 (1m) tumbles per IEC 60068-2-32 specification  Environmental Sealing  Independently certified to meet IP67 standards for moisture and particle resistance  ESD  15KV Air discharge, 8KV contact discharge  System Architecture  Processor  PXA320, 800MHz  Operating System  Microsoft* Windows** CE 5.0 Professional or Microsoft* Windows** Mobile 6.5  Memory  128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Josphy  3,7" (94 mm) QVGA (240x320), transflective  Resistive touchscreen with stylus  Keypad  Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio  Microphone, Speaker with adjustable volume control  I/O Ports  B-523/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery  Li-ion, 11.1V, 2,400 mAh  Battery Life  12 hour full-shift battery life (soanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner  Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities  Reads standard 1D and 2D symbologies  Warranty  1 year factory warranty  Service Plans  Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN  GSM, GPRS, Edge  WLAN  802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, FGTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V  (TKIP), and VPR2 (AES) Encryption Methods  Internal diversity antenna	
Storage Temperature  -4° to +158°F (-20° to +70°C) Humidity  5 to 95% non-condensing Drop  Withstands multiple 6' (-1.8 m) drops to concrete Tumble  2,000 (1m) tumbles per IEC 60068-2-32 specification Environmental Sealing Independently certified to meet IP67 standards for moisture and particle resistance ESD  15KV Air discharge, 8KV contact discharge  System Architecture  Processor  PX.320, 800MHz  Operating System  Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5  Memory  128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion Display  3,7" (94 mm) QVGA (240x320), transflective  Touch Panel  Resistive touchscreen with stylus  Keypad  Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio  Microphone, Speaker with adjustable volume control  I/O Ports  RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery  Li-ion, 11.1V, 2,400 mAh  Battery Li-ien, 11.1V, 2,400 mAh  Battery Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities  Reads standard 1D and 2D symbologies  Warranty  1 year factory warranty  Service Plans  Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN  GSM, GPRS, Edge  WLAN  802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, EGTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V  (TKIP), and WPA2 (AES) Encryption Methods	
Humidity 5 to 95% non-condensing  Drop Withstands multiple 6' (1.8 m) drops to concrete  Tumble 2,000 (1m) tumbles per IEC 60068-2-32 specification  Environmental Sealing Independently certified to meet IP67 standards for moisture and particle resistance  ESD 15KV Air discharge, 8KV contact discharge  System Architecture  Processor PXA320, 800MHz  Operating System Microsoff® Windows® CE 5.0 Professional or Microsoff® Windows® Mobile 6.5  Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlif 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Laser Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPV2, FEAP-MSC CLAPA, CITIFIP, and WPAE (AES) Encryption Methods  WLAN 4nternas Internal diversity antenna	
Drop Withstands multiple 6' (1.8 m) drops to concrete Tumble 2,000 (1m) tumbles per IEC 60068-2-32 specification  Environmental Sealing Independently certified to meet IP67 standards for moisture and particle resistance  ESD 15KV Air discharge, 8KV contact discharge  System Architecture  Processor PXA320, 800MHz  Operating System Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5  Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Life, 11.1V, 2,400 mAh  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPV2, FEAP-MSC CLAPA, CIT(FIP), and WPAE (AES) Encryption Methods  WLAN 4ntennas Internal diversity antenna	
Tumble 2,000 (1m) tumbles per IEC 60068-2-32 specification  Environmental Sealing Independently certified to meet IP67 standards for moisture and particle resistance  ESD 15KV Air discharge, 8KV contact discharge  System Architecture  Processor PXA320, 800MHz  Operating System Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5  Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Li-ion, 11.1V, 2,400 mAh  Battery Li-ion, 11.1V, 2,400 mAh  Battery Li-ion, 11.1 V, 2,400 mAh  Battery Li-ion Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Nireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F GTC, LEAR, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V CTKIP), and GAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V CTKIP), and GAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V CTKIP), and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V CTKIP), and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V CTKIP), and EAP-EST Encryption Methods	
Environmental Sealing Independently certified to meet IP67 standards for moisture and particle resistance  ESD 15KV Air discharge, 8KV contact discharge  System Architecture  Processor PXA320, 800MHz  Operating System Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5  Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Li-ion, 11.1V, 2,400 mAh  Battery Li-ion 11.1V, 2,400 mAh  Battery Li-ion 11.1V, 2,400 mAh  Battery Li-ion 11.1V as Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and EAP-EST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and EAP-EST Encryption: Support for Static, pre-s	
System Architecture  Processor PXA320, 800MHz  Operating System Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5  Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Li-ion, 11.1V, 2,400 mAh  Battery Li-ion, 11.1V and Day Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 al/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F  GTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V  (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas	
Processor PXA320, 800MHz  Operating System Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5  Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
Processor PXA320, 800MHz  Operating System Microsoft® Windows® CE 5.0 Professional or Microsoft® Windows® Mobile 6.5  Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Life, 11.1V, 2,400 mAh  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas	
Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPV2, F  GTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, W  UKAN Antennas Internal diversity antenna	
Memory 128MB SDRAM, 128MB Flash; 1GB or 4GB SD-card expansion  3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN GSM, GPRS, Edge WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
Display 3.7" (94 mm) QVGA (240x320), transflective  Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Life Li-ion, 11.1V, 2,400 mAh  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F  GTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V  (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
Touch Panel Resistive touchscreen with stylus  Keypad Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN GSM, GPRS, Edge WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, FGTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V(TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
Backlit 62-key alphanumeric, 38-key numeric-alpha  Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, FGTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V(TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
Audio Microphone, Speaker with adjustable volume control  I/O Ports RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
RS-232/USB 2.0 host and client/audio out/Ethernet/charging connector  Battery Li-ion, 11.1V, 2,400 mAh  Battery Life 12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities Reads standard 1D and 2D symbologies  Warranty 1 year factory warranty  Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN GSM, GPRS, Edge WLAN 802.11 b/g, 802.11 a/b/g Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
Battery  Li-ion, 11.1V, 2,400 mAh  Battery Life  12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner  Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities  Reads standard 1D and 2D symbologies  Warranty  1 year factory warranty  Service Plans  Optional three-and five-year service programs offer worry-free mobile computing  Wireless Connectivity  WWAN  GSM, GPRS, Edge  WLAN  802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, FGTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V(TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas  Internal diversity antenna	
Battery Life  12 hour full-shift battery life (scanning and sending data over WLAN and Bluetooth every 10 seconds)  Imager/Scanner  Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager  Decode Capabilities  Reads standard 1D and 2D symbologies  Vireless Connectivity  WWAN  Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN  GSM, GPRS, Edge  WLAN  802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, FGTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V(TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas  Internal diversity antenna	
Imager/Scanner       Near-Far Range Laser (Lorax), Standard Ranger Laser, 2D imager         Decode Capabilities       Reads standard 1D and 2D symbologies         Warranty       1 year factory warranty         Service Plans       Optional three-and five-year service programs offer worry-free mobile computing         Vireless Connectivity       WMAN         WWAN       GSM, GPRS, Edge         WLAN       802.11 b/g, 802.11 a/b/g         Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F         GTC, LEAP, and EAP-FAST       Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V         WLAN Antennas       Internal diversity antenna	
Decode Capabilities  Reads standard 1D and 2D symbologies  1 year factory warranty  Service Plans  Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN  GSM, GPRS, Edge  WLAN  802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, FGTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, VGTKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas  Internal diversity antenna	
Warranty  1 year factory warranty  Service Plans  Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN  GSM, GPRS, Edge  WLAN  802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, FGTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, VGTKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas  Internal diversity antenna	
Service Plans Optional three-and five-year service programs offer worry-free mobile computing  Vireless Connectivity  WWAN GSM, GPRS, Edge WLAN 802.11 b/g, 802.11 a/b/g Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, FGTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V(TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F  GTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V  (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas  Internal diversity antenna	
WWAN GSM, GPRS, Edge  WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F  GTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V  (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas  Internal diversity antenna	
WLAN 802.11 b/g, 802.11 a/b/g  Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F  GTC, LEAP, and EAP-FAST  Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V  (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas  Internal diversity antenna	
Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, F GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas Internal diversity antenna	
WLAN Security  GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, V (TKIP), and WPA2 (AES) Encryption Methods  WLAN Antennas  Internal diversity antenna	
	,
WPAN Bluetooth® 2.0 + FDR class II	
GPS GPS receiver	

Microsoft, Windows, and the Windows Logo are registered trademarks or trademarks of Microsoft Corporation. The Bluetooth trademarks are owned by Bluetooth SIG, Inc. U.S.A. and licensed to Honeywell International Inc.

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies















#### For more information:

www.honeywellaidc.com

### **Honeywell Scanning & Mobility**

9680 Old Bailes Road Fort Mill, SC 29707 800.582.4263 www.honeywell.com

