

Marathon

Field Computer

For mobile workers, the successful execution of every step in that day's shift is critical. Every completed service call, every first response, every product shipped, every single decision made in the field can either bring you closer to your destination or cause a setback for both mobile worker and customer. And with resource-strapped enterprises demanding 110% from their mobile workforces, just a single minute of productivity gained during the typical call can lead to a competitive advantage.

The Marathon field computer packs all of the mission-critical features and connectivity mobile workers require to thrive into an IP65-rated fully-rugged design. At just 2.2 pounds with a thin 1.3" profile, the Marathon is easy to maneuver, and with Gobi™ WWAN radio, Summit 802.11 a/b/g/n and Bluetooth® wireless connectivity, it connects from any distance. Combined with an Atom processor running a full Microsoft® Windows® XP or Windows® 7 operating system, the Marathon presents an uncompromised technology experience.



Features

- **Replace Multiple Devices:** Eliminates cost of purchasing and maintaining both a laptop or desktop computer and a hand-held device; replaces desktop or laptop computer when used with desk dock and offers the data capture functionality and ergonomics of a hand-held device when undocked
- **Network Compatibility:** Saves time and resources with no-hassle integration with Microsoft® Windows-based applications and management systems
- **Anywhere Wireless Connectivity:** Supports real-time connectivity to critical information with 3.75G WWAN radio, GPS, and WLAN
- **Advanced Ergonomics:** Improves ease of use and worker efficiency with easy-to-carry, lightweight, thin design
- **Versatile Data Capture:** Saves time and money with on-the-spot exception documenting and report filing using the full QWERTY keypad, touchscreen, biometric mouse, camera and available 2D imager
- **High-Visibility:** 7" touchscreen is sized to allow viewing of schematics, detailed graphics, performance dashboards, or field-intensive forms and warehouse management system screens, all without the over-scrolling that hinders productivity; performs well in any lighting condition, from the darkest corner to the brightest sunlight
- **Rugged:** 4' drop, IP65-rating, and solid state mass storage drive result in a lower cost of ownership and reduced down time in the most demanding environments

Marathon Technical Specifications

Mechanical/Environmental

Dimensions	8.1" x 7.8" x 1.3" (206 mm x 197 mm x 33 mm); 8.1" x 7.8" x 1.7" (206mm x 197mm x 44mm) when equipped with WWAN for US and Canada
Weight	2.2 lb (0.99 kg) with internal battery
Operating Temperature	-4° to +122° F (-20° to +50° C)
Storage Temperature	-22° to +140° F (-30° to +60° C)
Humidity	5% to 95% non-condensing
Drop	Multiple 4' (1.2 m) drops, all faces
Environmental Sealing	Independently certified to meet IP65 standards for moisture and particle resistance
ESD	Air: ±8 KV; Contact: ±4 KV

System Architecture

Processor	Intel® Atom Z530 1.6GHz
Operating System	Microsoft® Windows® 7 Pro, Windows® XP Pro, Windows® Embedded Standard (WES 2009)
Memory	2GB DDR2 SDRAM; 8GB, 16GB, 32GB & 64GB solid state drives
Display	7" WVGA display with standard 400 NIT indoor display; optional transfective indoor/outdoor display; WVGA (800x480)
Touch Panel	Industrial touch panel with resistive touch and support for finger touch and stylus
Keypad	Backlit full QWERTY keyboard w/ number pad, 10 single touch function keys
Biometric Mouse	Dual purpose finger print reader and computer mouse
Audio	Audio for headset, dual, front-facing speakers with adjustable volume control, integrated microphone
Camera	2 megapixel camera with illumination
I/O Ports	2 USB high-speed host ports; power input for in terminal charging, I/O connector for docks
Battery	Standard – Li-ion, 3.7V, 3060mAh; Extended – Li-ion, 3.7V, 5000mAh
Battery Life	3 hours, internal primary battery; 6 hours with 42Whr extended battery; 8 hours with 62Whr extended battery
Imager/Scanner	Optional 2D imager add-on module
Decode Capabilities	Reads standard 1D and 2D symbologies
Magnetic Stripe Reader	Optional 3 track Magnetic Stripe Reader add-on module
Development Environment	Standard Microsoft® Windows® SDK with biometric mouse extensions
Third Party Software	Freefloat Link*One Wedge standard; Freefloat Access*One Terminal Emulator optional
Warranty	2 year factory warranty
Service Plans	Optional three- and five-year service programs offer worry-free mobile computing

Wireless Connectivity

WWAN	Software definable Gobi 2000 (data only) 3.75G radio with five-band UMTS/HSPA+ (800/850/900/1900/2100MHz), quadband GSM/GPRS/EDGE (850/900/1800/1900MHz) and dual-band EV-DO/CDMA (800/1900)
WLAN	802.11a/b/g/n, Wi-Fi™ - certified
WLAN Security	WPA, WPA2 (Personal and Enterprise), 802.11x, EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC, WMM, CWG-RF Profile, CCX v.4, WAPI
WPAN	Bluetooth® V2.1, support for enhanced data rate 2.0 Mbps & 3.0 Mbps rates class II
GPS	Integrated Assisted GPS (A-GPS) with fast position acquisition and low power consumption

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For more information:

www.honeywellaidc.com

Honeywell Scanning & Mobility

9680 Old Bailes Road

Fort Mill, SC 29707

800.582.4263

www.honeywell.com



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