

HX3

Wearable Computer

The HX3 rugged voice-directed computer incorporates all of the user-friendly features needed to maximize productivity, accuracy, and worker satisfaction in a fast-paced quick-picking environment. It all starts with our ToughTalk 4-pin connector, specially engineered to minimize crosstalk. A large eyes-free keypad was added to simplify common tasks. These features are packed into an ergonomic lightweight design with a standard battery that's more than ready for a full eight-hour shift.

The HX3 is engineered to go to work in voice-driven applications, as it supports today's best-in-breed voice solutions, but it doesn't stop there. The HX3 also supports wireless and wired bar code scanners, imagers and headsets. And it's all protected by an IP54-rated magnesium alloy bezel, high-impact case that is able to thrive in temperatures as low as -40°F (-40°C).



Features

- **Ergonomic:** Perfect for hands-free warehouse picking and small parcel move applications when wrist mounted or worn with hip-flip accessory, and combined with a ring scanner and/or headset; provides worker flexibility with improved efficiency and less fatigue
- **Low Profile Ring Scanner:** Reduces interference, improving worker transaction time while lowering total cost of ownership
- **Large Eyes-Free Keypad:** Simplifies the completion of common tasks
- **Rugged:** IP54-rated design and the ability to withstand multiple 4' drops to concrete result in lower cost of ownership and reduced down time
- **Cold Storage Capabilities:** Enables the efficiencies of voice-driven applications in cold storage environments, working in temperatures as low as -40° F

HX3 Technical Specifications

Mechanical/Environmental

Dimensions	HX3: 5.0" x 3.5" x 1.4" (126mm x 89mm x 36mm) Ring Laser Scanner: 1.9" x 1.1" x 1.1" (48 x 28 x 28 mm) Ring Imager: 1.9" x 1.1" x 1.3" (48 x 28 x 33 mm)
Weight	9.3oz (264g) Short Range Laser Ring - 2.3 oz (65g) Ring Imager - 2.5 oz (79g) Standard Battery - 4.0 oz (114g) Extended Battery - 7.2 oz (204g)
Operating Temperature	-4° to +122°F (-20° to +50°C); when worn under outer garment: -40° to +122°F (-40° to +50°C)
Storage Temperature	-4° to +158°F (-20° to +70°C)
Humidity	5% to 90% relative humidity non-condensing at 104°F (40°C)
Drop	Withstands 4' (1.2m) drops to concrete
Environmental Sealing	Independently certified to meet IP54 standards for moisture and particle resistance
ESD	8KV Air discharge, 4KV contact discharge

System Architecture

Processor	Intel® XScale® PXA255 400
Operating System	Microsoft® Windows® CE 5.0 Professional
Memory	128MB SDRAM, 128MB or 512MB Flash
Keypad	4 keys, 3 function keys + 1 modifier key allows 3 one-touch keys & 3 two-touch keys
Audio	Built-in microphone, Speaker w/ adjustable volume control capable of > 102dB, Headset port
Battery	Standard - Li-ion, 7.4V, 2000 mAh; Extended - Li-ion, 7.4V, 4000 mAh
Battery Life	Standard/Extended: 12 hours/24 hours (scanning and sending data over WLAN and Bluetooth every 10 seconds)
Imager/Scanner	Standard range laser ring, 2D imager ring w/ enhanced white LED illumination
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

WLAN	2.4GHz 802.11 b/g, 2.4GH z/5.0GH z 802.11 a/b/g
WLAN Security	Authentication: Support for a full range of 802.1X (EAP) types, including EAP-TLS, PEAP-MSCHAPv2, PEAP-GTC, LEAP, and EAP-FAST Encryption: Support for Static, pre-shared, and dynamic encryption keys, 40-bit and 128-bit keys, WEP, WPA (TKIP), and WPA2 (AES) Encryption Methods
WPAN	Bluetooth® 2.0 + EDR, class II

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