

RANGER

Ultra-rugged for all environments



handheld

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The Ranger handheld computer possesses features that field professionals depend on, like field-ready ruggedness, 30-hour battery and an easy-to-use keypad and touchscreen. With two CompactFlash (CF) slots and a Secure Data (SD) slot you can increase data storage and add multiple accessories such as GPS, GPRS, RFID-readers and other CF devices. Using the SD slot lets you add data storage without sacrificing a CF slot. Integrated Bluetooth is standard on the Ranger 500X and optional on the Ranger 300X. Integrated 802.11b wireless is optional for both models. The Ranger also comes with speaker and microphone.

The Ranger provides you with everything you need from a handheld data collector and features an easy-to-read display for all kinds of lighting conditions, even direct sunlight. The waterproof Ranger combines military-grade durability with a Windows Mobile 5.0 operating system and up to 512 MB of Flash memory. The Ranger can quickly process even the most graphic-intensive applications and delivers that performance in the most challenging work environments. It handles extreme heat, up to 60 °C and extreme cold, down to -30 °C.

Not just a pretty face, the Ranger meets or exceeds the 810F military and IP67 standards for drops, vibration, altitude, dust, corrosion and water immersion. The construction makes it lightweight, yet rugged and the exterior design provides a great grip in any weather. Ergonomic navigation, alpha and numeric keypads make it easy to operate even when wearing gloves. This combined with its long battery life makes the Ranger the ultimate choice for tough outdoor conditions.

Everything about the Ranger is designed to make it tough on the job – and easy on you.

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Size	266 mm (10.5") x 131 mm (5.2") x 48 mm (1.9")
Weight	952 g (2.1 lb), including battery
Environment	
<i>Operating:</i>	-30 °C to 60 °C (-22 °F to 140 °F)
<i>Storage:</i>	-40 °C to 70 °C (-40 °F to 158 °F)
<i>Drop:</i>	MIL-STD-810F, Method 516.5, Procedure IV 26 drops from 1.22 m (4 ft)
<i>Sand & Dust:</i>	IP67, MIL-STD-810F, Method 510.3, Procedures I & II
<i>Water:</i>	IP67, sealed against accidental immersion (1 m/3 ft for 30 min), MIL-STD-810F, Method 512.4, Procedure I
<i>Humidity:</i>	MIL-STD-810F, Method 507.4
<i>Altitude:</i>	MIL-STD-810F, Method 500.4, Procedures I, II & III, 4572 m (15 000 ft) at 23 °C (73 °F)
<i>Vibration:</i>	MIL-STD-810F, Method 514.5, Procedure I, Fig. 17 & 18
Processor/memory	Intel PXA 270 Xscale CPU: 312MHz, 64 MB SDRAM (300X) 520MHz, 128 MB SDRAM (500X)
Data Storage	Onboard Flash: 256 MB (300X) 512 MB (500X)
Operating System	Microsoft Windows Mobile 5.0
Screen	320 x 240 pixel (¼ VGA) colour TFT with LED back light touchscreen
Keyboard	53 tactile keys with separate navigation, alpha and numeric keypads, plus 8+1 directional pad
Battery	Li-ion rechargeable pack, 6600 mAh, operates 30 hours, complete recharge in less than five hours
Connections	1x Type I and 1x Type II CompactFlash slots 1x Secure Digital (SD) memory card slot 9-pin serial port-RS232 (115 Kbps) USB client DC power port
Communication	Integrated Bluetooth (optional 300X, standard 500X) Optional integrated WLAN 802.11b Optional GPRS via CF-Card Integrated speaker and microphone
Options	<ul style="list-style-type: none">• 12 V vehicle charger• Nylon carry case• Tripod bracket• Range pole bracket• Midsize CF-Cap• Extended CF-Cap• Lanyard• GPS CF-Card• GPRS CF-Card• Barcode scanner• RFID

Handheld Europe AB is a European supplier of rugged mobile computers on the EMEA market. Handheld Europe and its partners deliver complete mobility solutions to businesses in industries such as forestry, logistics, public transportation, construction, service & maintenance, military and security. Handheld Europe is a subsidiary of HHCS Handheld AB, a company specializing in rugged field computing solutions.

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