

# RECON

A tough performer



**handheld**

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## A tough performer

The Recon X-Series delivers maximum performance and reliability in a lightweight and extremely rugged design. The Recon weighs just 490 grams and exceeds rigorous military standard for drops, dust, vibration, humidity and altitude. With its IP67 rating it is dustproof, waterproof and operates in extreme temperatures from -30 °C to 60 °C.

With optional integrated Bluetooth the Recon can easily connect to peripheral devices. The 802.11g wireless gives you access to local area network, email and the Internet. The Recon features built-in microphone and speaker and has a transfective colour touchscreen that works perfectly even in direct sunlight or in low light conditions. Two protected CompactFlash slots supports accessories such as GPS, RFID, barcode scanners and other devices, all with the IP67 rating intact.

The Recon features a high-performance 200 MHz or 400 MHz Intel XScale processor and 64 MB of RAM. To protect data from resets or power loss, the Recon offers high-performance persistent NAND Flash storage, from 128 MB to 256 MB. Microsoft's versatile Windows Mobile 6 operating system runs all the applications you use most, including calendar, email and Mobile versions of Word, Excel and PowerPoint.

The PowerBoot module integrates a 4000 mAh battery pack with industry standard 9-pin serial and USB ports into a single component, easily replaceable in field. The Recon's innovative modular design saves time and money and provides customization options to suit your specific applications.

[www.ultrarugged.com](http://www.ultrarugged.com)

<b>Size</b>	165 mm (6.50") x 95 mm (3.75") x 45 mm (1.75")
<b>Weight</b>	490 g (17 ounces) including power boot module
<b>Environment</b>	
<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) 6 additional drops at -30 °C (-22 °F) 6 additional drops at 60 °C (140 °F)
<i>Vibration:</i>	MIL-STD-810F, Method 514.5, Procedures I, Figures 17 and 18
<i>Sand &amp; Dust:</i>	IP67, MIL-STD-810F, Method 510.4, Procedure I
<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>	4572 m (15,000 ft) at 23 °C (73 °F), MIL-STD-810F, Method 500.4, Procedures I, II and III
<b>Processor/memory</b>	Intel PXA 255 Xscale CPU, 200 MHz (Recon 200X), 400 MHz (Recon 400X), 64 MB high-speed SDRAM ~22 MB reserved for OS
<b>Data Storage</b>	Onboard non-volatile NAND Flash 128 MB (200X), 256 MB (400 X), ~31 MB reserved for OS
<b>Operating System</b>	Microsoft Windows Mobile 6 (Premium edition)
<b>Screen</b>	240 x 320 pixel (1/4 VGA) colour TFT with LED front light
<b>Keyboard</b>	10 keys, on-screen QWERTY soft keypad
<b>Battery</b>	4000 mAh NiMH rechargeable pack, allowing for 12-30h operating time depending on usage
<b>Connections</b>	1 x Standard 9-pin (male) D-shell RS-232 serial, 1 x USB 1.1 port client 1 x 5V charging, 2 x CF-Card slots; one type I and one type II slot
<b>Communication</b>	WLAN: Integrated 802.11g* PAN: Integrated Bluetooth* Integrated speaker & microphone *Optional
<b>Options</b>	<ul style="list-style-type: none"><li>• 12V Vehicle charger • Vehicle Cradle</li><li>• Bluetooth CF-Card • WLAN CF-Card</li><li>• GPS CF-Card</li><li>• RFID Kit 13.56 MHz • RFID Kit 125 kHz</li><li>• Barcode Imager kit</li><li>• CF-Caps • Pole brackets • Desktop Cradle</li><li>• Powerboot module for AA batteries</li><li>• Carrying Cases • Belt Carrier</li></ul>

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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