

RUGGED NOTEBOOKS

RNB 100 CONVERTIBLE

10.4/12.1" Intel Core™ Duo Rugged Notebook



RNB 100 Convertible is the latest laptop computer that meets and exceeds the standards set by the military (810F, 461E) and industry (IP54). Our Convertible features a large, bright 10.4" / 12.1" XGA/WXGA (1024 x 768) / (1280 x 800) Touch Screen LCD Screen with 128MB of shared RAM that provides vibrant images.

For direct sunlight applications, an optional outdoor viewable display and a touch screen option are also available. Behind the display is Intel Core™ Duo Ultra Low Voltage Technology for true speed and wireless portability. The 1.2GHz Yonah U2500 Core Duo processor is enhanced with up to 2GB of DDR II RAM, a 533 MHz FSB, Optical Drives, Sealed Ports, Waterproof Reversible 1.3 Mega Pixel Camera, Integrated GPS, WWAN capabilities and removable Shock Mounted SATA Hard Drive.

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RNB 100 Convertible Notebook Specifications	
CPU	<ul style="list-style-type: none"> ● Intel® Core 2 Duo 1.2GHz Merom U7600 ULV Processor, 533 MHz FSB, 2MB Level 2 Cache
Memory	<ul style="list-style-type: none"> ● 1GB DDR2 RAM Expandable to 2GB
VGA Controller	<ul style="list-style-type: none"> ● Integrated Intel® 945GMS 128MB Shared Memory
Display	<ul style="list-style-type: none"> ● 10.4" XGA Color TFT (1024 X 768) with Polarizer Touch Screen ● Optional 12.1" Wide WXGA Color TFT (1280 X 800) with Polarizer Touch Screen ● Optional 1200 nit Sunlight Readable super bright display with touch screen (10.4") ● Optional Sunlight Readable (Hi-Bright 400 Nit) with Active Digitizer (Requires Win XP Table Ed OS) (10.4" or 12.1" Wide) ● Optional Sunlight Readable (Hi-Bright 400 Nit) with Touch Screen (10.4" or 12.1" Wide)
Hard Disk	<ul style="list-style-type: none"> ● Standard Shock Mounted Removable Canister SATA 120GB 5400RPM expandable to 160GB or 250GB ● Optional Solid State Hard Drive ● Optional Extreme Environment Hard Drive (Vibration, Shock, Heat, Cold, Altitude) ● Optional HDD Heater for Low Temperature (-20°C -4°F) Support
WebCamera	<ul style="list-style-type: none"> ● Optional Integrated 200 Degree 1.3 Mega Pixel Waterproof Reversible Camera (replaces GPS module)
Communication Interface(s)	<ul style="list-style-type: none"> ● Built-in 56Kbps ITU V.92 Modem (RJ-11) & 10/100/1000 Base-T Ethernet LAN (RJ-45) ● Built-in Intel® Pro Wireless 3945 802.11a/b/g Wireless LAN (Centrino Platform) ● Optional: 3G (EV-DO Verizon or Sprint Modems), HSDPA ● Optional: Bluetooth (V2.0+EDR Class 2) ● Standard integrated GPS with Integrated Antenna (<i>not available with webcam option. Will replace GPS Module</i>)
Expansion Slots	<ul style="list-style-type: none"> ● Either (2) Type II or (1) Type III PCMCIA ● Optional Smart Card Reader (Occupies One Type II Slot)
Keyboard	<ul style="list-style-type: none"> ● Waterproof Membrane Keyboard ● Optional Waterproof LED Backlight Rubber Keyboard
Pointing Device	<ul style="list-style-type: none"> ● Pressure Sensitive Touch Screen (Optional Digitizer) ● Glide Touch with Scroll Bar
I/O Ports	<ul style="list-style-type: none"> ● Serial Port ● (2) USB 2.0 ● External VGA (Optionally Replaced by Serial Port RS232 or RS422) ● RJ-45 Ethernet ● RJ-11 Modem ● Microphone ● SD Card Reader ● Line Out ● Docking Port (Optional Docking RF Connector)
AC Adapter	<ul style="list-style-type: none"> ● A/C Adapter 90Watts, 100 – 240V, 50/60HZ Auto sensing/Switching
Battery	<ul style="list-style-type: none"> ● Standard 6Cell Main Battery Li-Ion Smart Battery (5200mAh, 11.1V) Approximately 6.7 Hours ● Optional: Extended Life 9 Cell Battery Li-Ion Smart Battery (7800mAh, 11.1V) Approximately 10 Hours
Operating System	<ul style="list-style-type: none"> ● Standard: Microsoft® Windows XP ● Optional: Microsoft® Vista Business ● Optional: Microsoft® Windows XP Tablet PC Edition 2005 with Active Digitizer Display Panel
Dimensions/Weight	<ul style="list-style-type: none"> ● 10.4" 11.2" (W) X 8.7" (D) X 1.9" (H) 4.9 Lbs 285mm (W) X 222mm (D) X 49mm (H) / 2.2 kg ● 12.1" 13.8" (W) X 8.7" (D) X 1.9" (H) 5.4 Lbs 311mm (W) X 222mm (D) X 49mm (H) / 2.45 kg
Security	<ul style="list-style-type: none"> ● Kensington Lock ● Optional: Trusted Platform Module (TPM 1.2)
Accessories	<ul style="list-style-type: none"> ● Carry Bag, External Battery Charger, Vehicle Docking, Vehicle Adapter with Charger (90Watts, 12-32VDC) ● External USB Dual Drive, Mil-Std 461E Upgrade, Cross Type Hand Strap, Smart Card Reader ● Desk Port Replication, Digitizer Stylus, Touch Screen Stylus, Vehicle Mount with I/O Replication Car Adapter & Bracket
Environmental Specifications	
Temperature	<ul style="list-style-type: none"> ● According to IEC 68-2-1, 2, 14 / MIL-STD--810F Method 501.4, 502.4 ● Operating: Standard 32° F to 131° F (0°C to 55°C) Optional: -4° F to 140° F (-20°C to 55°C) ● Non-operating (Storage): -40° F to 158° F (-40°C to 70°C)
Humidity	<ul style="list-style-type: none"> ● According to IEC 68-2-30 Mil-Std-810F Method 507.4 ● 5% to 95% RH, Non-Condensing
Altitude	<ul style="list-style-type: none"> ● According to IEC 68-2-13/ Mil-Std-810F Method 500.4 ● Operating: 15,000ft; Non-operating: 40,000ft, Altitude Change Rate : 2,000 ft/min
Shock	<ul style="list-style-type: none"> ● According to IEC 68-2-27 / Mil-Std-810F Method 516.5
Vibration	<ul style="list-style-type: none"> ● According to IEC 68-2-6 / Mil-Std 810F Method 514.5
Enclosure	<ul style="list-style-type: none"> ● According to IEC 529, NEMA, MIL-STD-810F, Method 506.4, 510.4, IP 54 Compliance
ESD	<ul style="list-style-type: none"> ● According to IEC 1000-4-2
Drop	<ul style="list-style-type: none"> ● According to IEC 68-2-32 / Mil-Std-810F Method 516.5 ● 3.28 Feet Free Drop 26 Times on to Plywood and 6 Times on to Concrete Plate
Enclosure	<ul style="list-style-type: none"> ● According to IEC 529, NEMA / Mil-Std-810F Method 506.4, 510.4 ● Fully Rugged Magnesium Alloy Case with Rugged Hinge, Mil-Std 810F and IP54 Compliance ● Optional: 461E Electromagnetic Interference (EMI) Reduction Upgrade
Regulation	<ul style="list-style-type: none"> ● EPEAT SILVER, FCC, UL, CUL, TUV, CE, CB, CCC, PSE, WHQL, BSMI, e-Mark, RoHS