RANGER 1400T/XL™

Sunlight Readable,
Fast 64 Bit CPU, Legendary Durability!
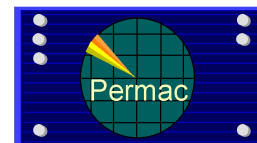

- **Brilliant, Sunlight Readable, 14" High Resolution Tflex™ LCD.**

- **Lightning Fast AMD Turion 64 bit CPU.**

- **Built-in RS232 Serial Port.**

- **Mil-spec Shock Mounted LCD + Disk Drive.**

- **Spill Proof Keyboard and Corrosion Protected Electronics.**

High performance, light weight and powerful, the new Ranger 1400T/TXL delivers! Brilliant 14.1" Tflex transflective sunlight readable LCD gives you stunning visibility in all light conditions! Rugged and tested, Ranger 1400 has been certified to meet the grueling military specification 810E for shock/vibration and drop requirements. High speed 64 bit processor blazes through applications and graphics with ease! Wet fingers? No problem, the spill resistant keyboard and corrosion protected electronics keep you running smooth in a rough seaway! For additional protection, our removable custom molded polymer keyboard skin protects from fluid, dust and chemical contamination. Argonaut Ranger 1400 gives you proven durability and value for all marine, industrial and military requirements.

Argonaut® Ranger 1400T/XL™ Specifications

Rugged Features

Case	Magnesium alloy case - 20 times stronger than ABS plastic, offering higher survival rate after drops and bumps. Added protection to critical components (i.e. CPU, RAM, HDD and ODD).
LCD/HDD protection	Rubber protection surrounding LCD & HDD area (added protection against vibration).
Drop	26 drops of 29 inches to plywood over concrete with unit off and display closed. 5 units to pass. Simulate Mil Std 810F, Method 516.4, Procedure IV.
Shock & Vibration	• Anti-shock mounting design protects LCD screen and hard disk drive from damage and data loss. • Flexible HDD cable design absorbs shock from drops • Simulate Mil Std 810F, Method 514.4, Procedure I, Category 10, Fig 16 & 17/ASTM 4169, Truck Transport, 11.5.2 Random test, Assurance Level II.
Spill resistant keyboard	• Spill-resistant keyboard, touchpad and switches. • Spill-resistant design stops spills from seeping into sensitive interior parts. • Removable polymer molded membrane cover shields from moisture, chemicals and dust.

System

Processor	AMD Turion™ 64 MT28 and higher (25W)
OS	Microsoft® Windows® XP Professional Edition
Chipset	North Bridge: VIA K8N800/A Intel® 915GM South Bridge: VIA VT8235M-CE
Display	14.1" TFT Sunlight Readable Transflective LCD with XGA resolution (1024x768)
Video Controller	VIA K8N800 built-in • AGP 4X/8X hardware 2D/3D video graphic accelerators • High performance 128-bit 3D engine • 128 double-words hardware command queue • System shared memory 16/32/64MB
Memory	One DDR333 SODIMM slot for 256/512/1024MB (Max 1GB)
System BIOS	AMI Note BIOS • Including System BIOS, VGA, PM, PnP • 512MB (4M bits) flash EEPROM • Support shadow RAM BIOS feature • Support Boot Block feature • Support APM 1.2.DMI 2.0, SMBIOS2.3, ACPI2.0, USB2.0, CDROM boot, USB-FDD, Boot from LAN
Floppy Disk Drive	Option: External USB 3½" format, 720KB/1.44MB/1.2MB (3 modes)
Hard Disk Drive	2.5" 9.5mm high IDE Hard Disk Drive, 40/60/80GB with Ultra DMA 100 and S.M.A.R.T. support • **Anti Shock Mounted HDD** (Safety of Vibration & Transportation)
Media Drive	One optical media device choice of: 5.27"/12.7mm DVD-R/CD-RW/DVD-RW/DVD+RW (DVD Dual) 5.25"/12.7mm DVD/CD-RW (Combo)
Audio	Embedded PCI Bus 16-bit input and 20-bit output • Compliant with AC-97 ver.2.3 • Hardware Volume Control • Built-in microphone for voice recognition • Two 1W speakers
PCMCIA	PCMCIA 2.1 compliance, support one Type II PC card slot, 32-bit PC Card Bus 1.0 architecture
Pointing Device	Built-in touch pad with two buttons & support right/left and roller
Battery	Standard: 6-cell 4400mAh Li-Ion battery (Approx. 3 hrs) Optional: 9-cell 6000mAh Li-Ion battery (Approx. 4 hrs) Battery life will vary depending on actual use factors.
Communication	Integrated 56Kbps v.90 Fax/Modem
LAN/Wireless LAN	Integrated 10/100 Mbps Ethernet/Internal Mini PCI Interface/wireless 802.11b/g
AC Adapter	Input: 100 240V AC50/60Hz, Output: 20V, 3A, 60W
I/O Ports	Two USB connectors (USB2.0) One PCMCIA type II card socket One 15 pins D-sub connector for external monitor One mic-in phone jack for external microphone One line-out phone jack for external speakers One RJ-11 jack for internal 56Kbps V.90 modem One RJ-45 jack for internal 10/100M bit Ethernet LAN One DC-in jack One 9 pins D-sub connector for RS232 serial port
Dimension & Weight	12.5" (318mm)W x 10.12" (257mm)D x 1.38" (35mm)H; 5.94bs w/6-cell battery, 6.16lbs w/9-cell battery
Environment	Operating Temperature: 5℃~35℃ Storage Temperature: -20℃~60℃ Operating Humidity: 20%~80%
EMI/Safety	US/Canada: FCC, CUL

- The specifications and pictures are subject to change without notice.
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