
ATS-8750T

TEMPEST NOTEBOOK

SDIP 27 Level A



The ATS-8750T is the most versatile and compact rugged laptop computer system available. It allows simultaneous configuration of two high capacity removable DR-36 form factor batteries. The computer system is powered by the Intel Pentium M family of CPU's, may be configured with up to 2GB of RAM.

The ATS-8750T is configured with a 14.1" direct sunlight readable display. The notebook has interfaces for all tactical applications: (2) RS-232/485; (2) USB, Parallel, 10/100 Base T Ethernet, 56.6K Modem, External Video and IrDA. System expansion is available through the two standard Type II PCMCIA slots.

Key Features:

- Intel® Centrino™ mobile technology
- Optionally delivers the fastest-yet 3D video thanks to its ATI graphics processor
- Operates for 8 hours on a single battery charge (configuration dependent)
- Successfully qualification tested
- Intel Pentium M Processor 2 GHz
- Up to 160GB HDD
- DVD+RW/CD-RW
- 512MB RAM expandable to 2GB
- Intel Graphic Media Accelerator 900 featuring DVMT
- Full-size QWERTY Keyboard and Hula Point Mouse
- 14.1" direct Sunlight Readable Display
- MIL-STD-810E tailored
- MIL-STD-461D
- SDIP 27 Level A

Preliminary specification, subject to change without notice!
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ATS-8750T

Technical Specification:

Processor

- Intel® Centrino™ Mobile Technology suite includes a 2GHz Intel® Pentium® M Processor, Intel® 915GM chipset

Operating System

- Windows XP Professional
- Optional Windows 2000 Architecture also supports SOLARIS, TRUSTED SOLARIS and LINUX

RAM

- 512 MB RAM expandable to 2 GB; Intel® Graphics Media Accelerator (GMA) 900 featuring Dynamic Video Memory Technology (DVMT)
- Extreme graphics with DVMT or optional 256 MB ATI Mobility™ RADEON™ X700 chipset with integrated heat changer

Storage

- Up to 160 GB Internally/Externally Shock Isolated Rugged Removable High Capacity Hard Disk Drive, IDE or SATA
- Optional solid state hard drive 2 – 64 GB
- Internal DVD+RW/CD-RW
- Internal 1.44 MB Floppy Disk Drive

Display System

- 14.1" MILBRITE ELG Sunlight Readable Display (1024x768 resolution)
- optional display heater

Keyboard / Pointing Device

- Environmentally sealed and backlit full size QWERTY keyboard
- Hula Point Mouse

Interfaces

- Two (2) RS-232/485
- Two (2) USB 2.0
- One (1) IEEE-1284 Parallel
- One (1) VGA
- One (1) 56K Modem
- One (1) IrDA
- One (1) 10/100 BaseT Ethernet

Physical Characteristics

- Dimensions (WxHxD): 305x102x280 mm
- Weight: 5,4 – 6,3 kg (dependent on battery configuration)

Environmental

- Temperature: Operating Cold start @ -18°C to +60°C; optional -40°C to +71°C with display heater and solid state hard drive; Non-operating -32°C to +65°C
- Humidity: MIL-STD-810F, Method 507.4
Operating: 10% to 95% (non-condensing)
Storage: 5% to 95% (non-condensing)
- Shock: MIL-STD-810F, Method 516.5
Operating shock: 30G @ 11ms, ½ sine pulse operational
1 shock each axis; 915mm drop shock
- Vibration: Composite wheeled and tracked vehicles
- Driving Rain: MIL-STD-810F, Method 506.4, Proc. I; 45 mm per hour at 32 km/h wind speed operational, for 30 minutes / each surface
- Sand & Dust: MIL-STD-810F, Method 510.4, 32 ±4,8 km/h for 30 minutes / each surface, at a concentration of sand 2,2±0,5 g/m³ and Dust 10.6±7 g/m³
- Solar Radiation: MIL-STD-810F, Method 5045.4, Prc I, Diurnal Cycle A1
- Explosive Atmosphere: MIL-STD-810F, Method 511.4
- EMI/ESD/HAEMP: MIL-STD-461E, RE101-1, RS102-3, MIL-STD-464, Paragraph 5.7.3

Power

- 18-32 VDC direct connect via DC or NATO power cable
- Rugged external Power Adapter/Charger (115-230 VAC, 47-440Hz, single phase)
- Two DR-36 form factor Lilon or NiMH batteries
- Up to 8 hours battery lifetime

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