



RUGGED MIL-SPEC LAPTOP

AMSG 784B / DEF STAN 00-35 / DEF STAN 59-41 / MIL-STD-810F / MIL-STD-461E

The latest fully ruggedised military laptop without the military price tag!...

Meeting the requirements of MIL-STD-810F for drop, vibration and temperature, as well as MIL-STD-461E for EMC requirements, the ndura RUGGED® MIL-CLASS Laptop provides reliable computing anywhere, anytime.

Built for rugged mobility, the ndura RUGGED® MIL-CLASS Laptop offers intuitive design for easy operation and weighs in at 4.1Kg. Offering a TEMPEST certified variant against AMSG 784B and compliance with DEF STAN 00-35 and DEF STAN 59-41 as standard, this laptop joins an elite class of rugged laptops.

The ndura RUGGED® MIL-CLASS Laptop is powered by an Intel® Core™ 2 Duo ULV U7500 1.066GHz processor, with 2 GB RAM as standard (upgradeable to 4Gb) providing speed and performance in demanding applications. The 13.3" TFT provides a high resolution, convertible display, ensuring clear, sharp images with optional high brightness and sunlight readability.

FEATURES INCLUDE

- 13.3" WXGA 1280 X 800 display
- Military Connectors
- TEMPEST Certified Variant
- Tablet Convertible Touch Screen
- MIL-STD-810F
- MIL-STD-461E
- DEF STAN 59-41 Land Class B / C
- DEF STAN 00-35





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TECHNICAL SPECIFICATIONS

Processor	Intel® Core™ 2 Duo, ULV U7500 1.066GHz Merom-2m (65nm), 2MB L2 Cache, TDP 10W
BIOS	Phoenix Trust Code Base
CHIPSET	Intel® GM965, TDP 13.8W Southbridge ICH8M (Chipset)
Main Memory	2GB DDR II 667 MHz X 1 (up to 4GB)
Display	13.3" wide Active Matrix TFT WXGA 1280 x 800, Convertible Display Resistive Touch Panel Support, Optically Bonded Transflective Display 300nits (cd/m2)
Graphics	Intel® GM965 Integrated Graphics
Storage	2.5" SATA HDD 250Gb, 5400RPM With Heater & Pass 810F Cold Start Test Shock-mounted Removable HDD
Connectivity	Military Connectors <ul style="list-style-type: none"> • Power Input • 3 x USB • Ethernet 10/100 • Fax/Modem.
Optical Device	Integrated CD-RW / DVD-RW Dual Layer Drive
LED Status Indicator	Power on/Suspend Battery Full / Charging / Low HDD Access WLAN Connectivity (NOT ACTIVE) Bluetooth Connectivity (NOT ACTIVE) Caps Lock
Interface	1 x LAN 10/100 (MIL Connector) 1 x VGA / D-sub 15-pin for external monitor 3 x USB 2.0 ports (MIL Connector) 1 x DC-in (MIL Connector) 1 x Docking Connector (PoGo Pin) 1 x RS-232 1 x Fax/Modem (MIL Connector)
IP Rating	IP54 BS EN 60529

Audio	HD Audio Built-in speaker x 2 (Total MAX:4W)
Keyboard	87 keys for UK / EU LED Backlit keyboard
Power Management	ACPI 3.0 Supported
Battery Life	Li-Ion 9 cells, 7800 mAh up to 6 Hours, Built-in gauge IC Charging Time : 2.5 hrs to 80%
AC Adaptor	Output: 19V DC, 4.74A, 90W Input: 85-264V AC, 44/66Hz universal 3 pin compact power supply system MIL-STD 461E Ground Army
Pointing Device	Built-in Resistive Touch Screen with Stylus
Dimensions / Weight	368mm x 315mm x 65mm Weight < 4.1KG
Security	TPM 1.2 (Trusted Platform Module Security Chip), Fingerprint Recognition BIOS setup, Power-on, HDD User Password Protection Kensington Lock
Hot Key	SAS Key Screen Rotation Key Virtual keyboard RF Switch Brightness up/down
Regulation	EMI: FCC, CE, MIL-STD-461E Ground Army Safety: CB, cUL, UL Modem: Universal PPT including US(FCC-B), TWN(DGT), PRC (FCC68), JPN(JATE), EURO(CTR21)
Windows Certification	Compatibility: HCT V12.0 / DTM (Vista) Supported OS: Windows XP Tablet PC Edition / Windows Vista Business 32 bit.
Operating System	<ul style="list-style-type: none"> • Windows Vista Business • Windows XP for Embedded Systems
MTBF	14,567 hours Based on Army Ground
Paint Finish	Silver as standard Other finishes/colours available

ENVIRONMENTAL TESTING

Snow Loading	MIL-STD-810F 521.2
Driving Rain	MIL-STD-810F 506.4, Procedure I
Sand & Dust	According to MIL-STD-810F 510.4,
Corrosive Fluids	According to MIL-STD-810F 504
Drop	According to MIL-STD-810F 516.5 26 drops from 1.22m
Temperature	High Temperature According to MIL-STD-810F Low Temperature According to MIL-STD-810F Boot Operating According to DEF STAN 00-35
TEMPEST Option	AMSG 784B Volume 1 (SDIP 27 Level C)
	DEF STAN 00-35, M1
Vibration	ASTM 4169-99, Truck Assurance Level II, Schedule E MIL-STD-810F, Method 514.5, Procedure I Category 24
Humidity	According to MIL-STD-810F 507.4 Procedure I (Storage) Procedure II (Operation) 95% RH
Altitude	According to MIL-STD-810F 500.4
	MIL-STD-461E
EMC	DEF STAN 59-41 Land Class B DCE01, DCE02, DCE03, DCS01, DCS02, DCS03, DRE02, DRS01, DRS02, DCS05, DCS06, DRE03 DEF STAN 59-41 Land Class C DRE01
Accessories / Options	<ul style="list-style-type: none"> • Spare Battery • UK Power Cable as standard • A range of single ended circular connector cables available: <ul style="list-style-type: none"> ⇒ Rugged Laptop PSU Assembly ⇒ FAX/Modem Cable (Military to COTS) ⇒ Dual USB 2.0 Cable (Military to COTS) ⇒ Single USB 2.0 Cable (Military to COTS) ⇒ Ethernet Cable (Military to COTS) ⇒ VGA Cable (COTS 15 Way D Type) ⇒ Serial Cable (COTS 9 Way D Type)



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Technical Specifications quoted are qualified and verified but do not indicate the maximum performance limitations of the equipment. Specifications are subject to change without notice. E & OE Issue A



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