



GRiDCASE 1590CD Rugged Laptop

The GRiDCASE 1590CD is designed to comply with all military specifications for Environmental and EMC requirements and is housed in a fully sealed IP54 Aluminium chassis.

The system is designed to be easily configured to suit project specific requirements by means of customisation of the rear panel. This can be configured with a wide range of military connectors including D38999 and 62GB. Commercial D type connectors can also be fitted and protected by a waterproof removable panel if required.

The system is powered by an Intel Core2Duo with up to 8GB of RAM. A 15" TFT display panel is fitted with support for up to 1600x1200 pixel resolution. Data entry is made via a fully sealed backlit rubber keyboard and mouse. Data storage is provided by a user fixed or removable Hard Disk Drive, and DVD ROM options. Multiple I/O ports including Gigabit Ethernet, RS232/422/485, USB, SDLC/HDLC, 1553 bus, SCSI and Composite Video are available for connectivity. Networking options include up to nine 10/100/1000Mb Ethernet and 802.11g WiFi wireless.

For system security the BIOS can be locked to prevent user access to CMOS settings either by password protection or full lockdown, which combined with single boot device configuration prevents unwanted access to the system. Data encryption up to SECRET to HMGCC CAPS accreditation can also be provided. The system is available in TEMPEST certified form for compliance with AMSG788 Level A.

The system is fully accredited with a wide range of military specifications including DEF STAN 59-411 (MIL-STD-461) Air Class, Land Class and Above Decks Limits, Def Stan 00-35 (MIL-STD-810) and Explosive Atmosphere Zone 2 Cat 3.



Features:

- DEF STAN 59-411 and MIL-STD-461
- DEF STAN 00-35 and MIL-STD-810
- TEMPEST AMSG788 Level A
- Up to IP67
- ATEX IIc
- Intel CoreDuo and Core2Duo (64-bit)
- Sealed Backlit Keyboard
- Mid Life Upgrade Path
- Custom Build
- British Design & Build
- Long Product Life
- 10 years Extended Maintenance Contract Support

Contact:

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GRiDCASE 1590CD Rugged Laptop

Service and Support:

1 Years Warranty included with up to 10 years extended warranty available

Military Features:

Fully Sealed Casework
MIL-SPEC Connectors
MIL-STAN 810
MILS STAN 461
DEF STAN 59-411
DEF STAN 00-35
Sealed Backlit Keyboard/Mouse

Expansion:

PCI-104 and PCIe Expansion

Encryption:

Software or HDD Encryption

Ports:

Ports are configurable and include:
RS232
RS422
RS485
External VGA
eSATA
USB 2.0
PS/2
Audio
Further interfaces are available.

Communication:

Intel 10/100/1000Mb Gigabit Ethernet

Casework:

DuraCase III Aluminium Alloy

Size:

350 x 330 x 100 (W x D x H)

Weight:

7.5Kg

Temp:

-20°C - +55°C
Option for -40°C

Humidity:

0-95% Non-Condensing

Processor Options:

Intel® Core™ Duo L2400 LV 1.66 GHz
Intel® Core™2 Duo SU 9300 Ultra Low Voltage, 1,2 GHz
Intel® Celeron® Processor 722 Ultra Low Voltage, 1,2 GHz
Intel® Core™2 Duo with latest energy-saving 45nm technology
Other Intel® Processors are available

Chipset:

Intel® GS45, Intel® ICH9M SFF
Intel® 945GM

Memory:

2048MB of DDR3 SO-DIMM 1066Mhz Memory
Option for up to 8GB of DDR3 SO-DIMM 800/1066Mhz Memory

BIOS:

Phoenix with GRiD Extensions and full ACPI support

Graphics:

Intel® X4500MHD including up to 1024MB of Graphics Memory
(With 64 bit Core2Duo)

Display:

15" 1024x768 TFT Sunlight Readable
Other display resolutions are available up to 1600 x 1200

Power Input:

18-32V DC, MIL-STAN 1275
AC-DC power Supply included for lab use
Rugged AC-DC Power Supplies available

Keyboard:

Sealed Backlit QWERTY Windows Compatible

Mouse:

Sealed Rubber Miniature TrackStick with 2 Buttons

Operating System:

Microsoft Windows 7
Microsoft Windows XP Professional SP3

HDD:

SATA Fixed or Removable 2.5" Extreme Hard Disk Drive
Solid State Drive options available

ROM:

DVD +/- RW

