



GRiDCASE 1590M Rugged Laptop

The GRiDCASE 1590M 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 Pentium M CPU with up to 1Gb 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 removable Hard Disk Drive, and CD/DVD ROM options. Multiple I/O ports including 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 AM5G788, BTR01/210 and BTR01/202(4)

The system is fully accredited with a wide range of military specifications including Def Stan 59-41 (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 59-41 (MIL-STD-461)
- Def Stan 00-35 (MIL-STD-810)
- TEMPEST
- IP54
- ATEX IIc
- Shock Resistant
- Intel Pentium M
- Custom Build
- Sealed Backlit Keyboard
- Mid Life Upgrade Path
- British Design & Build
- Long Product Life
- Long PDS and Maintenance Contract Support

Contact:

GRiD Defence Systems
Highbridge House
93-96 Oxford Rd
Uxbridge Middlesex
England UB8 1LU
+44 (0)1895 230650
+44 (0)1895 236720
grid-sales@griduk.com
www.griduk.com



GRiDCASE 1590M 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

Encryption:

Software or HDD Encryption

Ports:

Ports are configurable and include:
RS232
RS422
RS485
External VGA
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® Pentium M 1.4GHz

Chipset:

Intel® 855G

Memory:

2048MB of DDR RAM

BIOS:

Phoenix with GRiD Extensions and full ACPI support

Graphics:

Intel® 855G AGP 4x

Display:

15" 1024x768 TFT Sunlight Readable

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:

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

ROM:

DVD +/- RW

