



GRIDCASE 1590

Main Features

- 15" LED Backlit Display
- Intel® Core i7 Processor
- Up to 64GB RAM
- PCI/PCI Express Expansion
- Military D38999 Connectors as Standard
- Environmental: DEF STAN 00-35 & MIL-STD-810
- EMC Profile DEF STAN 59-411 & MIL STD 461
- Qualified for TEMPEST and ATEX Environments

Technical Specification

GRID

RUGGED, CONFIGURABLE COMPUTING



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| Internal Specification | |
|------------------------|---|
| Processor* | Intel® Core i7-1185G7E 2.8/4.4GHz Intel® Core i5-1145G7E 2.6/4.1GHz Intel® Core i3-1115G4E 3.0/3.9GHz Intel® Core i7-8665UE 1.7/4.4GHz Intel® Core i5-8365UE 1.6/4.1GHz Intel® Core i3-8145UE 2.2/3.9GHz |
| Graphics | Intel® Iris Xe and UHD 620 Graphics |
| Memory | Up to 64GB |
| BIOS | AMI EFI Optional Password Protection |
| Storage | Up to 3 x 2TB removable Solid State Drives Hardware and Software Encryption Available |
| ROM | Optional DVD +/- RW |
| Operating System | Microsoft Windows Linux |
| Expansion | Up to 3 x PCI slots Up to 4 x PC/104 Plus or PCI-104 slots Up to 3 x PCI Express slots Up to 5 x Mini PCIe slots |
| Display | 15" LED Backlit Display 1024 x 768, XGA High Bright Option Available 1600 x 1200, UXGA High Resolution Option Available |
| Keyboard | Backlit Sealed QWERTY Keyboard |
| Mouse | Integrated Thumbstick 3 Button Mouse |
| Power | 9-36VDC or 90-264VAC Configurable Maximum Power Consumption AC Power Supply for Laboratory Use Rugged AC Power Supply Option Available |
| Battery | Up to 8 hours (with dual battery option) |
| Interfaces | User Defined (Interfaces are configurable to suit each application. Please speak to us about your requirements) |

*Other Processors available on request

| Environmental Specification | |
|-----------------------------|---|
| EMC | DEF STAN 59-411** MIL-STD-461** |
| Environmental | DEF STAN 00-35** MIL-STD-810** |
| TEMPEST | SDIP-27 |
| Operating Temperature | -30°C to +55°C |
| Storage Temperature | -40°C to + 71°C |
| Ingress ProtectionUp | Up to IP67 |
| Dimensions (WxDxH) | 350 x 330 x 100mm |
| Weight | With Battery 8.0kg Without Battery 7.5kg |

**Please enquire for specific details and levels passed (These are not the product's limits)



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