

# 19"/2<sup>®</sup> Computer i7 MIL CS331



## Rugged computer with high performance graphics

The 19"/2 Computer i7 MIL CS331 includes a powerful CPU and an external video card capable of high resolutions all in a 19"/2 form factor.

### Built to take a beating

The computer is combat proven to withstand the harshest conditions over the long haul. It features aluminium casing, rugged MIL connectors for easy integration and will operate down to -40 °C.

### Guaranteed performance

Our products always come with a lifetime support to ensure your equipment maintains peak performance for many missions to come. We also serve units and stock spare parts for 5 years end-of-life.

### Mounting

All 19"/2 units can be mounted together in several different ways

- One 19"/2 unit can be mounted in a 19" rack
- Two 19"/2 units can be mounted together in a 19" rack
- Two or more devices can also be stacked on top of each other

# 19"/2 Computer i7 MIL CS331

## Technical Specification

CPU	Intel Core i7-3615QE 2.3 GHz 6 MB Cache, 4 Cores, 8 Threads
Graphics	nVidia K4000 Graphics
Resolution	DVI: 2560 x 1600 Dual Link
RAM	Maximum 16 GB RAM DDR3 ECC
Storage	1 HDD slot for SATA HDD (rotating or SSD)
Power Consumption	Max 200W
Transient power protection	Designed to meet MIL-STD-1275D
Case	Aluminium
Dimensions	220 x 461 x 88 mm (W x D x H)
Weight	≤ 7 kg
Certifications	Designed to meet IP54, MIL-STD-810F, MIL-STD-461F and MIL-STD-1275D
Other	1x External fan on the back of the system
Interfaces (front)	1x DVI (38999) 1x DVI clone (38999) 3x RS232 clone (sniff) (38999) 1x RS423 clone (sniff) (38999) 3x RS232 (38999) 1x RS422 (38999) 1x RS423 (synchronous) (38999) 3x USB 2.0 (38999) 3x LAN Gbit (MightyMouse) 1x LAN IPMI (MightyMouse) 2x USB 2.0 (MightyMouse)
Interfaces (back)	1x RS232 console (MightyMouse) 2x Audio out (L + R) (MightyMouse) 1x Service port (Binder) External Fan support (Binder) 1x DC-in 20.5-32.2 V

Designed to meet:

MIL-STD-810F	Operating	Storage
Altitude Method 500.4, (procedure II,III)	4572 (15000 ft)	Rapid decompression 12180m (40000 ft)
Humidity Method 507.4, (procedure I)	Five 48 h test cycles	-
Shock Method 516.5, (procedure I, IV)	40 G, 11 ms (Terminal-peak saw tooth shock pulse)	122 cm (26 drops)*
Salt fog Method 509.4, (Procedure I)	-	Salt concentration of 5% +-1% (48h wet +48h dry/cycle)
Temperature Method 501.4 & Method 502.4, (procedure I, II)	-40 °C to 55 °C (-40°F to 131°F)	-40 °C to 70 °C
Temperature shock Method 503.4 (procedure I)	-40 °C ~ +55 °C (-40°F to +131°F)	-
Vibration Method 514.5		
- Category 2*	-	✓
- Category 14	✓	-
- Category 20 a & b	✓	-

\* Only with optional Peli Case

Designed to meet:

MIL-STD-461F	Limitation	Threshold
EMI radiated Method RE102	10 kHz to 18 GHz	Navy Mobile & Army
EMI radiated Method RS103	2 MHz to 1 GHz	Army
EMI conducted Method CE102	10 kHz to 10 Mhz	Basic Curve
EMI conducted Method CS101	30Hz to 150 kHz	Curve #1
EMI conducted Method CS114	10 kHz to 200 MHz	Army
EMI conducted Method CS115	Tested according to standard	Army
EMI conducted Method CS116	10 kHz to 100 MHz	Army

