

19"/2[®] Server i7 MIL CS311



Full Server in a 19"/2 form factor

The 19"/2 Server i7 MIL CS311 packs high-performance computing power into a frame up to 75 % smaller than standard 19" rugged servers. This significantly reduces the i7 MIL's weight, energy consumption and heat production. The unit includes a 2 disk RAID (supports RAID 0,1) and a USB back-up disk.

Built to take a beating

The Server 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

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Technical Specification

CPU Intel Core i7-3615QE 3.3 GHz
6 MB Cache, 4 Cores, 8 Threads

Graphics Intel HD4000 Graphics

Resolution VGA: 2048 x 1536
DVI: 1920 x 1200 Single Link

RAM Maximum 16 GB RAM DDR3

Storage 3 HDD slots for SATA HDD
(rotating or SSD)
RAID 0 and 1 for 2 of the disks**

Interfaces (front) X1 (38999)
- 1x VGA
- 1x RS232 (COM1)
- 1x Audio In
- 1x Audio Out
- 2x USB

X2 (38999)
- 1x LAN (10/100/1000Mbps)

X3 (38999)
- 1x DVI
- 3x USB
- 2x RS232 (COM3 TX/RX/RTS, COM4 TX/RX/RTS)
- 1x Remote Power On

1 x DC in 10-32V (ITS)

Interfaces (back) 1 x Service Port

Power Consumption Max 100W

Transient power protection Designed to meet MIL-STD-1275D

Case Aluminium

Dimensions 220 x 332 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 No fans

**3rd disk will be identified by the system as a USB drive

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

