

19"/2[®] Server i7 MIL CS308



Full Server in a 19"/2 form factor

The 19"/2 Server i7 MIL CS308 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 3 disks connected to a LSI Raid Controller.

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	Internal 4GB Flash 3 HDD slots for SATA HDD (rotating or SSD) RAID 0 or 1 with Hot Swap / Hot Spare Disk
Interfaces (front)	X1 (38999) - 1x VGA - 1x RS232 (COM1) - 1x Audio In - 1x Audio Out - 2x USB X2 (38999) - 2x 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 (ITT)
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	≤ 6.5 kg
Certifications	Designed to meet IP54, MIL-STD-810F, MIL-STD-461F and MIL-STD-1275D
Other	No fans

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

