

# 19"/2<sup>®</sup> Server i7 MIL CS301



## Full Server in a 19"/2 form factor

The 19"/2 Server i7 MIL CS301 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 an 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 Server i7 MIL CS301

## Technical Specification

CPU	Intel Core i7-2715QE 2,1 GHz 6 MB Cache, 4 Cores, 8 Threads
Graphics	Intel HD Graphics 3000, Intel Mobile QM67 Express Chipset, max 1720MB shared memory (depending on OS)
Resolution	VGA: 2048 x 1536 DVI: 1600 x 1200 Single Link DVI
RAM	Maximum 16 GB RAM DDR3
Storage	3 HDD slots for SATA HDD (rotating or SSD) RAID 0 and 1 for 2 of the drives
Interfaces (front)	1 x DC in 10-32V (MIL-C-5015) 3 x 38999 with following interfaces: - 1 x DVI - 1 x VGA - 1 x LAN 10/100/1000 Mbps - 1 x RS232 (without RI) - 2 x RS232 (only RX, TX, RTS) - 5 x USB 2.0 - Mic In (mono) - Line Out  - On/off switch - LED's  Other I/O configurations and connectors can be done upon request
Power Consumption	Max 100W
Transient power protection	Designed to meet MIL-STD-1275B
Case	Aluminium
Dimensions	220 x 335 x 88 mm (W x D x H)
Weight	7,5 kg
Certifications	Designed to meet IP54, MIL-STD-810F and MIL-STD-461F
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