

19"/2[®] Computer i7 MIL CS223



One-quarter the size. All the power

The 19"/2 Computer i7 CS223 is a rugged computer with 38999 MIL connectors. The compact form factor combined with the processing power of an Intel Core i7-3517UE processor gives you high-performance computing power into a frame up to 75% smaller than standard 19" rugged computers.

Built to take a beating

The 19"/2 Computer i7 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® Computer i7 MIL CS223

Technical Specification	
CPU	Intel Core i7- 3517UE (Max 2,8 GHz)
Graphics	Intel HD4000 Graphics
Resolution	VGA: 2048 x 1536 DVI: 1920 x 1200 Single Link
RAM	Maximum 16 GB RAM DDR3 (2 slots)
Storage	SATA HDD or SSD (<i>optional</i>)
Interface (front)	X1 (38999) <ul style="list-style-type: none"> - 2xRS232 - 1x Audio in - 1x Audio out - 4x USB X2 (38999) <ul style="list-style-type: none"> - 1x LAN (10/100/1000Mbps) - 1x RS232 (TX/RX/RTS only) X3 (38999) <ul style="list-style-type: none"> - 2x VGA - 1x Remote Power On - 1x RS232 (TX/RX/RTS only) 1 x DC In 10-32V (ITS)
Interface (back)	1 x Service Port
Power Consumption	Max 100 W
Transient power protection	Designed to meet MIL-STD-1275D
Case	Aluminium
Dimensions	220 x 391 x 44 mm (W x D x H)
Weight	≤ 5 kg
Certification	Designed to meet IP54, MIL-STD-810F, MIL-STD-461F and MIL-STD-1275D
Other	No fans

MIL-STD-810F	Operating	Storage
Altitude Method 500.4, (<i>procedure II,III</i>)	4572 m (15000 ft)	Rapid decompression 12180 m (40000 ft)
Humidity Method 507.4	Five 48 h test cycles	-
Shock Method 516.5, (<i>procedure I, IV</i>)	40 G, 11 ms (Terminal-peak saw tooth shock pulse)	122 cm (26 drops)*
Salt fog Method 509.4, (<i>Procedure I</i>)	-	Salt concentration of 5 % +-1 % (48 h wet +48 h dry/cycle)
Temperature Method 501.4 & Method 502.4, (<i>procedure I, II</i>)	-40 °C to 55 °C (-40 °F to 131 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature shock Method 503.4 (<i>procedure I</i>)	-40 °C to +55 °C (-40 °F to +131 °F)	-
Vibration Method 514.5		
- <i>Category 2</i>	-	✓
- <i>Category 14</i>	✓	-
- <i>Category 20 a & b</i>	✓	-

* Only with optional Peli Case

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