

19"/2[®] Computer Atom CS401



The 19"/2 Computer Atom CS401 is a rugged computer with the processing power of an Intel Atom D2550 1.86GHz processor in a compact, small 19"/2 form factor. The CS401 is optimized for size, weight and power consideration, with low power consumption and a weight of 3 kg. Designed for rugged military applications in tough environments.

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 Atom D2550 processor 1.86GHz
Chipset	Intel NM10
ScreenResolution	DVI/VGA: 1920 x 1200
RAM	Maximum 4 GB RAM DDR3
Storage	SATA HDD or SSD (optional)
Interface (front)	4 x LAN port RJ45 1 x Console USB 1 x Console Serial 4 x Host USB 2.0 1 x VGA 1 x System bottom
Interface (back)	1 x Service Port 1 x Power in 110/230 VAC 1 x Earth bonding point
Power Consumption	< 40W
Case	Aluminium
Dimensions	220 x 292 x 44 mm (W x D x H)
Weight	3 kg
Certification	Design to meet IP54, MIL-STD-810F and MIL-STD-461F
Other	No fans

MIL-STD-810F	Operating	Storage
Altitude Method 500.4, (procedure II, III)	4572 m (15000 ft)	Rapid decompression 12180 m (40000 ft)
Humidity Method 507.4	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 % (48 h wet +48 h dry/cycle)
Temperature Method 501.4 & Method 502.4, (procedure I, II)	-20 °C to 55 °C (-4 °F to 131 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature shock Method 503.4 (procedure I)	-20 °C to +55 °C (-4 °F to +131 °F)	-
Vibration Method 514.5		
- Category 2	-	✓
- Category 14	✓	-
- Category 20 a & b	✓	-

* Only with optional Peli Case

MIL-STD-461F	Limitation	Threshold
EMI radiated Method RE102	2 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