

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 form factor. The CS401 is optimized for size, weight (6.6 lbs), and low power consumption. 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

19"® Computer Atom CS401

Technical Specification	
CPU	Intel Atom D2550 processor 1.86GHz
Chipset	Intel NM10
Screen Resolution	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 button
Interface (back)	1 x Service Port 1 x Power in 110/230 VAC 1 x Earth bonding point
Power Consumption	< 40W
Case	Aluminum
Dimensions	8.7" x 1.7" x 11.5" (W x H x D) 220 x 44 x 292 mm
Weight	6.6 lbs (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, (<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>)	-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 (<i>procedure I</i>)	-20 °C to +55 °C (-4 °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	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

AMREL

<http://computers.amrel.com/computers/rugged-servers>