

# 19"/2<sup>®</sup> Computer Atom CS411



The 19"/2 Computer Atom CS411 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 CS411 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	
<b>CPU</b>	Intel Atom D2550 processor 1.86GHz
<b>Chipset</b>	Intel NM10
<b>ScreenResolution</b>	DVI/VGA: 1920 x 1200
<b>RAM</b>	Maximum 4 GB RAM DDR3
<b>Storage</b>	SATA HDD or SSD (optional)
<b>Interface (front)</b>	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 1 x Power in 10-32VDC
<b>Interface (back)</b>	1 x Service Port 1 x Earth bonding point
<b>Power Consumption</b>	< 40 W
<b>Transient power protection</b>	Designed to meet MIL-STD-1275B
<b>Case</b>	Aluminium
<b>Dimensions</b>	220x44x292 mm
<b>Weight</b>	3,1 kg
<b>Certification</b>	Design to meet IP54, MIL-STD-810F and MIL-STD-461F
<b>Other</b>	No fans

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

\* Only with optional Peli Case

MIL-STD-461F	Limitation	Threshold
<b>EMI radiated</b> Method RE102	2 kHz to 18 GHz	Navy Mobile & Army
<b>EMI radiated</b> Method RS103	2 MHz to 1 GHz	Army
<b>EMI conducted</b> Method CE102	10 kHz to 10 Mhz	Basic Curve
<b>EMI conducted</b> Method CS101	30Hz to 150 kHz	Curve #1
<b>EMI conducted</b> Method CS114	10 kHz to 200 MHz	Army
<b>EMI conducted</b> Method CS115	Tested according to standard	Army
<b>EMI conducted</b> Method CS116	10 kHz to 100 MHz	Army

