



RUGGED USB 2.0 HUB

Environmentally Sealed USB, Serial, and Power Ports

The Parraid Rugged USB 2.0 Hub is the first USB hub designed to meet a full range of environmental requirements for mobile and deployed systems. It has been tested to MIL-STD-810F for shock, vibration, temperature, sand, and dust. The Rugged USB 2.0 Hub has also been tested to MIL-STD-461E for conducted and radiated emissions and susceptibility. With the ability to be mounted and deployed in a number of environments, the Rugged USB 2.0 Hub is one of the most versatile rugged peripherals in your IT arsenal.



SPECIFICATIONS

DIMENSIONS: 1.53H x 6.34W x 3D inches

CONSTRUCTION: Aluminum enclosure

FINISH: Gold iridite and black powder coated surface

OPERATING TEMPERATURE: -55°C to 49°C (-67°F to 120°F)

STORAGE TEMPERATURE: -58°C to 85°C (-72°F to 185°F)

BENEFITS

- ▶ Environmentally sealed USB, serial, and power ports
- ▶ 4 powered high speed USB 2.0 ports
 - Up to 480 Mbps
 - Up to 500 mA
- ▶ 9-36 VDC power input
- ▶ Less than 2 lbs. total weight
- ▶ 2 x RS232 serial ports for legacy and serial devices
 - Point-to-point communication
 - 50ft.
 - 20Kb/s
- ▶ 1 x RS422 serial port for greater distances and higher Baud rates than RS232
 - Point-to-multipoint communication
 - Up to 10 Receivers
 - 4000ft.
 - 100Kb/s

RE-RUH2-PF Rev 01

RUGGED SPECIFICATIONS



Mobile Facilities



Manufacturing



Oil, Gas, & Mining



Harsh Environments

MIL-STD-810-F

1. Method 501.4 High Temperature
 - Procedure I - Storage, 85°C
 - Procedure II - Operation, 49°C
2. Method 502.4 Low Temperature
 - Procedure I - Storage, -58°C
 - Procedure II - Operation, -55°C
3. Method 503.4 Temperature Shock
 - Procedure I - Steady State, 85°C to -57°C
4. Method 516.5 Shock
 - Procedure I - Functional Shock, 40 g's in 11ms
 - Procedure V - Crash Hazard, 75 g's in 6ms
 - Procedure VI - Bench Handling, 4" drop on wooden surface
5. Method 510.4 Sand and Dust
 - Procedure I - Blowing Dust, 2kg/m3 of dust in a 1 m3 chamber for 8 hours
6. Method 514.5 Vibration
 - Procedure I - General Vibration
 - Category 4 - Truck/Trailer/Tracked - Restrained Cargo, 0.01 g2/Hz to 500 Hz, -6dB/oct to 2000 Hz
 - Category 20 - Ground Vehicles - Ground Mobile, 5 Hz

Front



Back



MIL-STD-461-E

- ▶ CS101 Conducted Susceptibility on power, 30 Hz to 150 kHz
- ▶ CS114 Conducted Susceptibility bulk cable injection, 10 kHz to 200 MHz
- ▶ RS103 Radiated Susceptibility electric field, 2 MHz to 18 GHz

FCG TESTED

- ▶ CFR Part 15 Subpart B for Class A Digital Device



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DESIGN | BUILD | SUPPORT

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