



MIL-STD-810F
COMPLIANT



When rugged counts

Introducing the industry's first MIL-STD-810F vibration tested rugged USB/ethernet hub. Expanding connectivity requirements is now easily attained with this 3 port, fully powered USB 2.0 hub featuring a RJ45 port. Adding peripherals such as in-vehicle video, GPS, scanners, card readers and printers is no problem for the TuffHub. This ground breaking product provides a rugged solution for computer users operating in unfavorable conditions. When device uptime counts, the TuffHub leads the industry, maximizing data productivity with the highest quality solution on the market.

- Best-in-class, **5-year warranty**
- Great option for adding **in-vehicle video**
- **Exceeds MIL-STD-810F**, an industry first, proving the unit will survive harsh shock and vibration environments
- Prevents accidental disconnects with **tug resistant strain relief** for all connections
- Ensures hub **will not interfere** with sensitive radios by providing superior EMI/RF filtering
- **Protects peripherals** from damage during over-voltage, engine cranking and voltage spikes
- **USB 2.0 Certified**, ensures compatibility with in-vehicle video, GPS, scanners, card readers and printers



TuffHub mounted inside a municipal services vehicle



TuffHub mounted to the bottom of a CF19 Toughdock

TuffHub

the ultimate in ruggedized communications

TuffHub Port Replication

- USB: 480 Mbps USB 2.0 (3)
- Ethernet: 10/100 Mbps RJ45 Ethernet (1)
- In-line Noise Filtering: yes
- EMI Filtering: yes

Specifications

Height: 0.98" (2.5 cm)

Width: 5.1" (13.1 cm)

Depth: 3.2" (8.2 cm)

Weight: 0.20 lbs (0.09 kg)

Input Voltage: 9V–24V DC

Operating Temperature: 32–158° F (0–70° C)

Start Up Temperature (5 min): -20–180° F (-29–82° C)

Humidity Range: 5–90% (Non Condensing)

Construction: Rugged engineered thermoplastic with metal base plate and strain relief

Finish: Durable, molded-in-color matte finish

Features

- USB 2.0 Certified
- Independent downstream power management
- Fully powered USB ports (500mA per port)
- Low standby current (10mA)
- Protected against 24V jump start
- Reverse polarity protection
- In-line fuse protection
- Electro Static Discharge protection
- Connector strain relief
- Flame resistant housing (UL 94HB)



TuffHub with strain relieved connectors

Contact Us

- An ISO 9001:2000 Company
- On-site fleet audits and installation training
- Demo equipment programs and presentations
- Dedicated customer service

1.877.TUFFHUB www.tuffhub.com

LED Functionality

The multi-colored LED indicators will let you know the current status of different TuffHub ports.

Power Indicator:

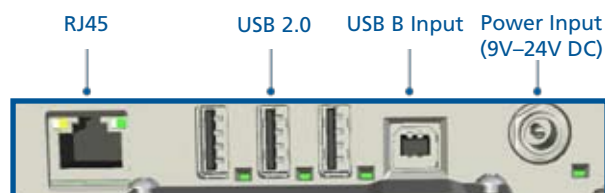
- Green: Input power is applied

USB Output Indicator:

- Green: Port is enabled
- Amber: Over current condition is detected

RJ45 Output Indicator:

- Green: Link
- Amber: Receive Activity



Certifications

- Vibration Testing: MIL-STD-810F 514.5
- High-speed USB 2.0

Industrial Uses

- Manufacturing Plants
- Shipping/Loading Docks
- Waste Management Facilities
- Construction Industry
- Agricultural Industry

Complementary Products

CFX TuffDock (DS.CFX)

- Panasonic CF30/CF29 Toughbook compatible docking station

CF19 TuffDock (DS.CF19)

- Panasonic CF19 Toughbook compatible docking station

Universal Laptop Mount (UT.X) – Fall 2008

- Non-electronic tray for securing a variety of laptop models