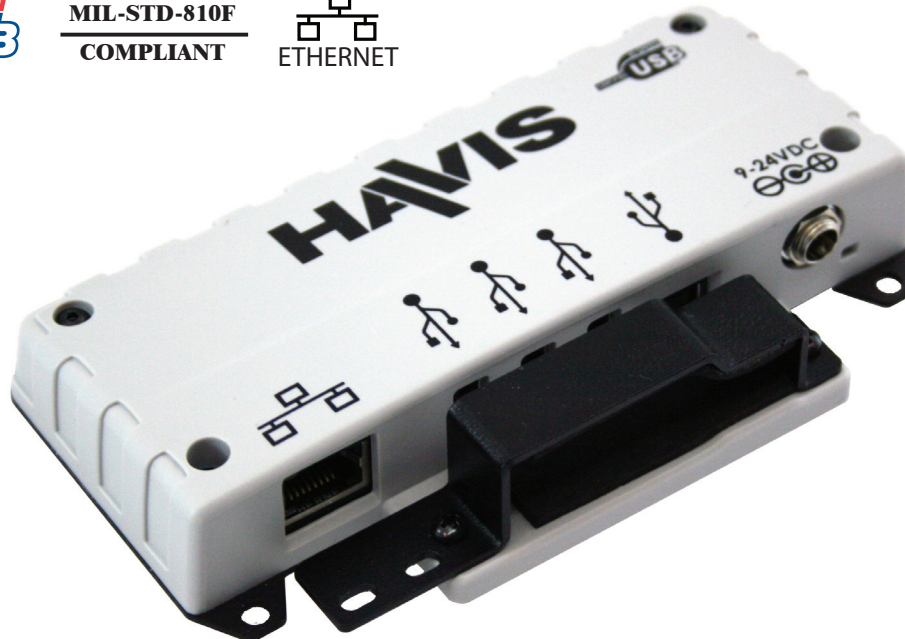
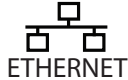


# Havis® Rugged Communications Hub

The ultimate in ruggedized communications



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 an ethernet port. Adding peripherals such as in-vehicle video, GPS, scanners, card readers and printers is no problem for the Rugged Communications Hub. This ground breaking product provides a rugged solution for computer users operating in unfavorable conditions. When device uptime counts, the Rugged Communications Hub leads the industry, maximizing data productivity with the highest quality solution on the market.

- DC Powered Hub
- 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 Hi-Speed Certified**, ensures compatibility with in-vehicle video, GPS, scanners, card readers and printers



Rugged Communications Hub mounted inside a municipal services vehicle



Rugged Communications Hub mounted to the bottom of a DS-PAN-201 Docking Station

# Havis Rugged Communications Hub

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## Port Replication (Part # HUB-USB3-E)

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

## LED Functionality

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

### Power Indicator:

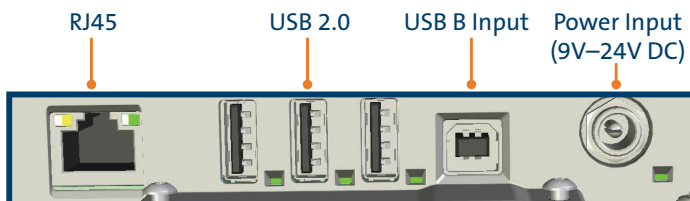
- Green: Input power is applied

### USB Output Indicator:

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

### RJ45 Output Indicator:

- Green: Link
- Amber: Receive Activity



## Industrial Uses

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

## Havis Complementary Products

### Havis Docking Station for Panasonic CF-30 (Part # DS-PAN-111)

- Panasonic Toughbook CF-30/CF-29 compatible docking station

### Havis Docking Station for Panasonic CF-19 (Part # DS-PAN-211)

- Panasonic Toughbook CF-19 compatible docking station

### Havis Universal Laptop Mount (Part # UT-X)

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

## Features

- USB 2.0 Hi-Speed Certified (Use of USB 2.0 Certified cables recommended)
- 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)



Rugged Communications Hub with strain relieved connectors

## Specifications

**Height:** 0.96" (2.4 cm)

**Width:** 5.1" (13.1 cm)

**Depth:** 3.2" (8.2 cm)

**Weight:** 0.30 lbs (0.14 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

## Certifications

- Vibration Testing: MIL-STD-810F 514.5
- Hi-Speed USB 2.0

- An ISO 9001:2000 Company
- Demo equipment programs and presentations

- On-site fleet audits and installation training
- Dedicated customer service

www.havis.com  
1-800-524-9900

**HAVIS**