

# TuffHub Applications



## Vehicle

The TuffHub is USB 2.0 certified and Ethernet compatible. As a result, adding scanners, printers and video to your vehicle can be done with ease. It also provides superior EMI/RF filtering, thus ensuring that the hub will not interfere with sensitive radio equipment.



## Industrial Manufacturing

When device uptime counts, the TuffHub leads the industry, maximizing data productivity with the highest quality solution on the market. In addition, the TuffHub is equipped with strain relieved connectors that prevent accidental disconnects.



## Harsh Environments

Because the TuffHub is the only USB/Ethernet hub that is MIL-STD-810F certified, it is ideal for use in the industrial workplace. In addition to withstanding shock and vibration, the TuffHub is virtually immune to temperature variation (-20° F to 180° F).





**MIL-STD-810F  
COMPLIANT**



LEDCO TuffHub  
HUB-USB3.E

Targus  
ACP45US

GamberJohnson  
7160-0004

Black Box  
LE9001A-USB-R2

Sea Level  
HUB4P

Published Specifications	LEDCO TuffHub HUB-USB3.E	Targus ACP45US	GamberJohnson 7160-0004	Black Box LE9001A-USB-R2	Sea Level HUB4P
USB 2.0 Certified	Yes	No	No	Yes	No
Powered 2.0 USB Ports	3	2	3	0	4
Ethernet Port – 10/100 Mbps	1	1	1	1	0
Self-Extinguishing Materials	Yes	Yes	NP	Yes	Yes
Strain Relieved Cables	Yes	No	No	No	Yes
Max Temperature – F (C)	180° (82°)	NP	158° (70°)	131° (55°)	158° (70°)
Minimum Temperature – F (C)	-20° (-29°)	NP	32° (0°)	-13° (-25°)	32° (0°)
Power Input	9-24 VDC	NP	9-28 VDC	N/A	5 VDC
Mounting Hardware Included	Yes	No	Yes	No	No
Total Warranty	5 Year	1 Year	1 Year	None	Lifetime
MIL-STD-810F Compliant	Yes	No	No	No	No
Weight	5oz	12.2oz	15.6oz	NP	NP
Width	5.1"	10.6"	7.0"	NP	4.3"
Height	0.9"	1.2"	1.6"	NP	1.3"
Depth	3.2"	3"	4.5"	NP	3.4"
Threaded Power Input	Yes	No	No	No	No
Built in Fuse	Yes	NP	NP	NP	NP
Validated to Automotive OEM Standards	Yes	NP	NP	NP	NP
Static Discharge Protected/Tested	Yes	NP	NP	NP	NP
Connectors Internally Relieved	Yes	NP	NP	NP	NP
Isolated Port Power Management	Yes	NP	NP	NP	NP

NP - Not Published as of 5/15/08