

Four-port USB Hub – OEM Module

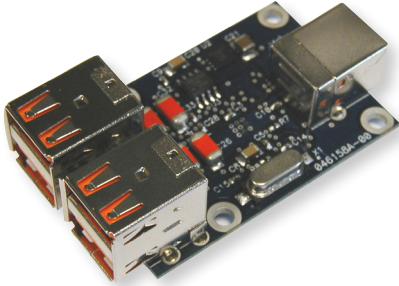
Models USBHUB4OEM, USBHUB4OEM-12PK

B+B SMARTWORX

Powered by

ADVANTECH

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PRODUCT FEATURES

- High-retention USB Port Connectors
- Ultra-compact, Open Bare-board Design
- ESD Protection - 8 kV Contact, 15 kV Air
- -40 to 80 °C Operating Temperature
- Powered from USB Host
- USB 2.0
- Installs as an unbranded USB hub

Model USBHUB4OEM is a four-port, high-speed, USB hub intended for OEM applications where space is at a premium and external packaging is not required.

High ESD protection makes it suitable for use in electrically harsh environments. Full speed (480 Mbps) USB 2.0 support allows connectivity with modern computer technology. High retention USB ports on the upstream and downstream sides allow you to use standard off the shelf USB cables while being confident that they will not come loose during operation. When installed in your system, the USBHUB4OEM appears as an unbranded USB hub.

The hub is powered entirely by the USB host port, leaving your installation uncluttered by power cabling. As a bus powered device, it provides 100 mA of power to downstream peripherals which is adequate for most applications. *Important: check your device to be sure this power is adequate. If it needs more power, B+B SmartWorx has a variety of externally powered hubs to select from.*

The hub is available as a single unit for prototype work (Model USBHUB4OEM) or in a convenient 12-piece package for production orders (Model USBHUB4OEM-12PK).

ORDERING INFORMATION

MODEL NUMBER	USB SPEED
USBHUB4OEM	4 Port USB Hub, OEM Module
USBHUB4OEM-12PK	4 Port USB Hub, OEM Module, 12 Unit Pack

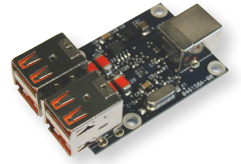
SPECIFICATIONS

USB TECHNOLOGY	
USB Compatibility	1.1 and 2.0
Speed	1.5, 12, and 480 Mbps
Connectors	Type A & B High Retention (15 N / 3.4 lbs-force withdrawal)
POWER	
Source	5 VDC from USB Host
Power Consumption	2.5 Watts Maximum
Downstream Power	Provides 100 mA per port to power downstream USB devices
MECHANICAL	
Dimensions	135.6 x 51 x 18 mm (.4 x 2.4 x 0.7 in)
Weight	0.8 oz (22.7 g)
MTBF	552747 hours
MTBF Calc. Method	MIL 217F Parts Count Reliability
APPROVALS, DIRECTIVES, STANDARDS	
FCC, CE	
Directives (EU)	2014/30/EU - Electromagnetic Compatibility Directive 2011/65/EU - Reduction of Hazardous Substances Directive (RoHS) 2012/19/EU - Waste Electrical and Electronic Equipment (WEEE)
Standards (EMC)	EN 55032: Class B - Information Technology Equipment - RF Emissions EN 55024 - Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurements EN 61000-6-1 - Generic Immunity Standard for Residential, Commercial and Light-Industrial Environments

All product specifications are subject to change without notice.
USBHUB4OEM_4817ds

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MECHANICAL DIAGRAM

