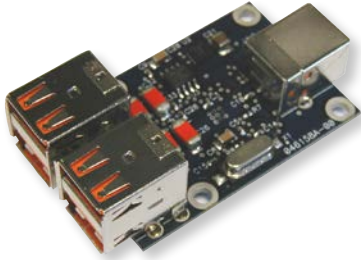


# Four-port USB Hub – OEM Module

Model BB-USBHUB4OEM

ADVANTECH

www.advantech.com



## 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 BB-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 BB-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, Advantech B+B SmartWorx has a variety of externally powered hubs to select from.*

## ORDERING INFORMATION

MODEL NUMBER	USB SPEED
BB-USBHUB4OEM	4 Port USB Hub, OEM Module

## SPECIFICATIONS

USB TECHNOLOGY	
USB Compatibility	1.1, 2.0
Speed	1.5, 12, 480 Mbps
Connectors	Type A & B High Retention (15 N / 3.4 lbs-force withdrawal)
POWER	
Source	5 VDC from USB bus/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 (0.4 x 2.4 x 0.7 in)
Weight	0.8 oz (22.7 g)
MEANTIME BETWEEN FAILURES (MTBF)	
MTBF	552747 hours
MTBF Calc. Method	MIL 217F Parts Count Reliability
APPROVALS, DIRECTIVES, STANDARDS	
FCC, CE	
CE - Directives	2014/30/EU Electromagnetic Compatibility Directive 2011/65/EU amended by (EU) 2015/863 Reduction of Hazardous Substances Directive (RoHS) 2012/19/EU Waste Electrical and Electronic Equipment (WEEE)
CE - Standards	<b>EMC:</b> EN 55032 Class B: Electromagnetic Compatibility of Multimedia Equipment – Emission Requirements EN 55024 - Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurements
Standards - Other	EN 61000-6-3 +A1 - Generic Emissions Standard for Residential, Commercial and Light-industrial Environments

All product specifications are subject to change without notice.  
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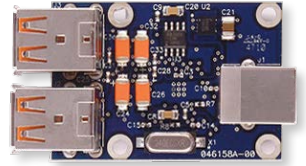
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## MECHANICAL DIAGRAM

