Four-port Industrial USB 2.0 Hub
Model UH104

USB Connectivity Where You Need It
Model UH104 is a compact, industrial grade four port USB 2.0 hub. It has high retention USB connectors that work with standard USB cables to ensure a tight connection in high vibration applications – requiring up to 1.54 kg (3.4 lbs) force to disconnect them. It provides true USB 2.0 data transmission through each port, even during heavy load applications. The UH104 is a plug-and-play device, meaning that there are no additional drivers to load.

Bus Power
The hub is powered entirely by your high power USB 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.

Mount it Anywhere
The compact polycarbonate plastic enclosure comes equipped with mounting brackets to secure it to a panel, counter top or other flat surface. A standard USB cable is required to connect it to your PC.

Industrial Specifications
Industrial EMC specifications make this hub more robust than other office grade products.

PRODUCT FEATURES
- High Retention USB Connectors
- 15 kV ESD Protection
- Rugged Panel Mount Case
- Wide Operating Temperature (-40 to 80 °C)
- USB 2.0 – High Speed (480 Mbps)

ORDERING INFORMATION

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USB cable required - sold separately.

ACCESSORIES
USBAMBM-3F - 0.9 m (3 ft.) USB Extension Cable

All product specifications are subject to change without notice.
Specifications

USB Interface
- Standards: USB 2.0
- Upstream Port: (1) Type B Female – High Retention
- Downstream Port: (4) Type A Female – High Retention
- Speed: 480 Mbps on each port
- Multi-transaction Translator, 1 per port
- ESD: 15 kV Air, 8 kV Contact
- High Retention: USB ports require 15 N - 3.4 lbs (1.54 kg) force withdrawal force using standard USB cable

Power
- Source: 5 VDC from USB Bus
- Downstream Power: 100 mA per Port

Mechanical
- Dimensions: 6.1 x 4.45 x 2.79 cm (2.4 x 1.75 x 1.10 in)
- Enclosure: IP 30, Polycarbonate Plastic
- Weight: 0.11 lb (49.90 g)
- MTBF: 552,747 Hours
- MTBF Calc. Method: MIL 217F Parts Count Reliability
- Operating Humidity: 0 to 95% Non-condensing

Environmental
- Operating Temperature: -40 to 80 °C (-40 to 176 °F)
- Storage Temperature: -40 to 85 °C (-40 to 185 °F)
- Operating Humidity: 0 to 95% Non-condensing

Approvals, Directives, Standards
- FCC, CE
- Directives
  - 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
  - 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

Mechanical Diagram