

UH104

Four Port Industrial USB Hub



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)

USB Connectivity Where You Need It

The 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 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. This is adequate for most applications.

Mount it Anywhere

The compact polycarbonate plastic enclosure comes equipped with mounting brackets that you can use 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. See the chart to the right to view the complete list of CE and FCC certifications.

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 |
| ESD | Multi-transaction Translator, 1 per port |
| High Retention | 15 kV Air, 8 kV Contact |
| | USB Ports require 15 N (3.4 lbs-force) withdrawal force using standard USB Cable |
| POWER | |
| Source | 5 VDC from USB Bus |
| Downstream Power | 100 mA per port |
| MECHANICAL | |
| Dimensions | 2.4 x 1.75 x 1.10 in (6.1 x 4.45 x 2.79 cm) |
| Enclosure | IP 30, Polycarbonate Plastic |
| Weight | 0.11 lbs (49.90 g) |
| MTBF | 552,747 Hours |
| MTBF Calc. Method | MIL 217F Parts Count Reliability |
| ENVIRONMENTAL | |
| Operating Temperature | -40 to 80°C (-40 to 176°F) |
| Storage Temperature | -40 to 85°C |
| Operating Humidity | 0 to 95% Non-condensing |

ORDERING INFORMATION

| MODEL NUMBER | |
|--------------|---------------------------|
| UH104 | 4 Port Industrial USB Hub |
| ACCESSORIES | |
| USBAMB-3F | 3 ft. USB Extension Cable |

APPROVALS AND CERTIFICATIONS

| CE | | |
|---------------|--------------------------------------|--|
| EN61000-6-1 | (Light Industrial) | |
| EN61000-4-2 | (ESD) | +/- 8kV contact, +/-15 kV air |
| EN61000-4-3 | (RI) | 3 V/m |
| EN61000-4-4 | (EFT Burst) | +/- 1 kV DC ports +/- 0.5 kV signal ports |
| EN61000-4-5 | (Surge) | +/- 0.5 kV Power |
| EN61000-4-6 | (CI) | 3 V/m |
| OTHER | | |
| IEC60068-2-32 | (Drop) | 10 total drops from sides, corner, edges |
| Emissions | FCC Class B, CISPR Class B (EN55022) | |



MECHANICAL DIAGRAM

