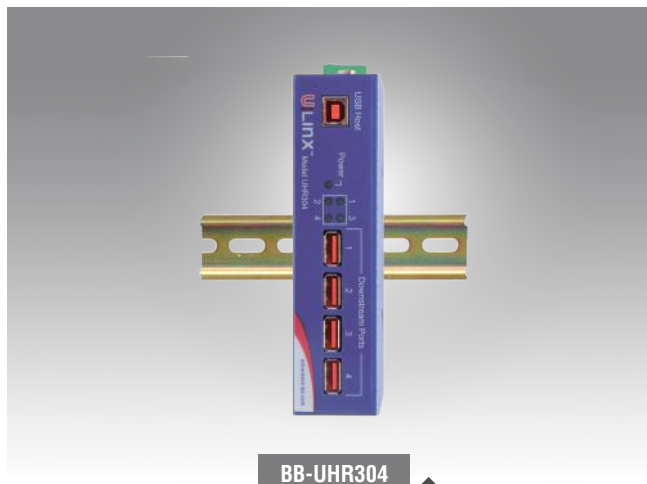


# BB-UHR204 BB-UHR304 BB-UHR207 BB-UHR307

## Four & Seven Port Industrial USB Hubs



BB-UHR304

### Features

- Expands one USB port to 4 or 7 USB ports (USB 2.0, see specifications)
- 4 kV isolation (Models BB-UHR304, BB-UHR307)
- 15 kV air, 8kV contact ESD protection
- Data rates: 12 Mbps at full speed or 480 Mbps at high speed (model specific)
- Wide operating temperature: -40 to +80 °C
- Rugged metal case - desk, DIN rail or panel mount (brackets included)
- FCC, CE, UL, EMC heavy industrial
- High retention USB port connectors
- Includes USB cable
- External 10-30 V<sub>DC</sub> power source required (not included, sold separately)

### Specifications

#### USB Interface

- **Standards** USB 1.1 & 2.0
- **Upstream Port** (1) Type B Female – High Retention
- **Downstream Ports** (7) Type A Female – High Retention (BB-UHR207, BB-UHR307)  
(4) Type A Female – High Retention (BB-UHR204, BB-UHR304)
- **Speed** 480 Mbps, High speed (BB-UHR204, BB-UHR207)  
12 Mbps, Full speed (BB-UHR304, BB-UHR307)  
Multi-transaction Translator, 1 per port
- **Isolation** 4 kV – Upstream to Downstream (BB-UHR304, BB-UHR307)
- **Surge Protection** +/- 0.5 kV DC Ports, +/- 1 kV Signal Ports
- **ESD** 15 kV Air, 8 kV Contact
- **High Retention** USB ports require 15 N (1.54kg-force) withdrawal force using standard USB cable

#### Power

- **Source** External - required for BB-UHR304, BB-UHR307, BB-UHR207  
(Power supply not included, sold separately.)  
Bus Powering - optional for BB-UHR204
- **Power Connector** Terminal Block or Threaded Barrel Jack
- **Input Voltage** 10 to 30 V<sub>DC</sub>
- **Power** 16 Watts (BB-UHR304, BB-UHR204)  
30 Watts (BB-UHR307, BB-UHR207)
- **Power TB** 3 Position, 5.08 mm Spacing, 28-12 AWG, Solid Wire
- **Barrel Jack** Locking / Threaded, 5.5 mm, Center Positive
- **Downstream Power** 500 mA per port

#### Indicators

- **Power** Green LED
- **Port Ready** Green LED

#### Mechanical

- **Dimensions (enclosure with brackets)** BB-UHRx04: 168.2 x 86.3 x 35.1 mm  
BB-UHRx07: 233.2 x 119.4 x 35.1 mm
- **Enclosure** IP30, metal
- **Mounting** Desk, DIN rail or panel mount
- **Weight** 0.64 kg

- **Meantime Between Failures (MTBF)** BB-UHR304 - 190999 hours  
BB-UHR204 - 211773 hours  
BB-UHR307 - 143330 hours  
BB-UHR207 - 151173 hours
- **MTBF Calc. Method** MIL 217F Parts Count Reliability

#### Environmental

- **Operating Temperature** -40 to +80 °C  
(0 to +40 °C using wall plug power supply)
- **Storage Temperature** -40 to 85 °C
- **Operating Humidity** 0 to 95% Non-condensing

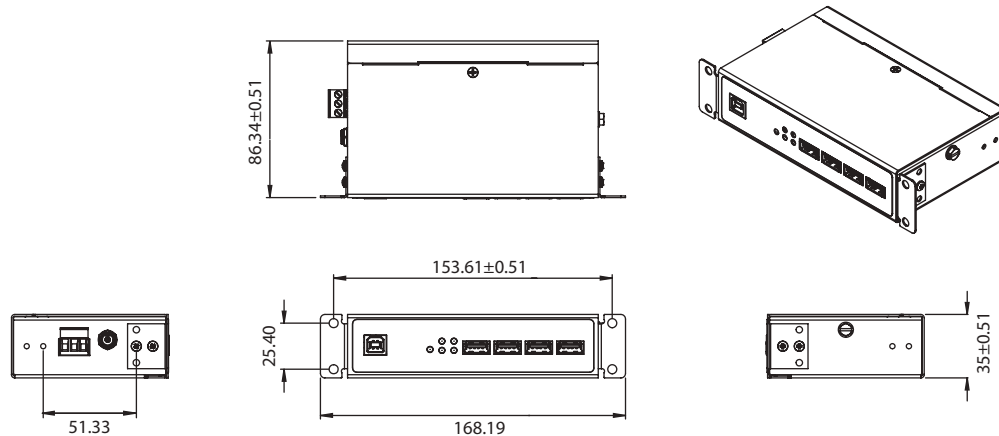
#### Approvals, Directives, Standards

- **Approvals** FCC, Class B, CE, KCC (Model#s BB-UHR207, BB-UHR307)
- **Directives (EU)** 2014/30/EU - Electromagnetic Compatibility Directive  
2015/863/EU - Reduction of Hazardous Substances Directive (RoHS-3)  
2012/19/EU - Waste Electrical and Electronic Equipment (WEEE)
- **Standards (EMC)** EN 55032: Class B - Electromagnetic Compatibility of Multimedia Equipment - Emission Requirements  
EN 55024 - Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement  
EN 61000-6-3+A1 (Class B) - Generic Emission Standard for Residential, Commercial and Light Industrial Environments  
EN 61000-6-2 - Generic Immunity Standard for (Heavy) Industrial Environments
- **UL** Class 1/Division 2 Listed

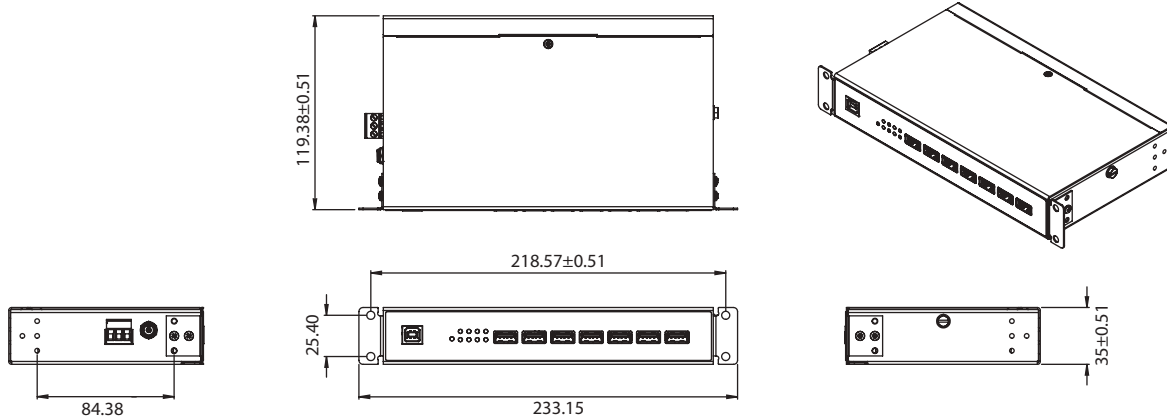
## Dimensions

Unit: mm

### BB-UHR204, BB-UHR304



### BB-UHR207, BB-UHR307



## Ordering Information

Model Number	Downstream Ports	Upstream Ports	Speed	Isolation?
BB-UHR204*	4	1	480 Mbps, High speed	-
BB-UHR304	4	1	12 Mbps, Full speed	4kV
BB-UHR207	7	1	480 Mbps, High speed	-
BB-UHR307	7	1	12 Mbps, Full speed	4kV

\* Bus powering option

### Accessories – Sold Separately

- **BB-PS12VLB-INT-MED** 12V<sub>DC</sub> Power Supply, Medical Grade; US, EU, UK Blades (Class 2)
- **BB-MDR-20-24** 24V<sub>DC</sub> Power Supply, 1.0A, DIN Rail Mount (Class 2)
- **BB-USBAMB-3F** Type A Male to Type B Male, Gray, 0.9 m
- **BB-USBAMB-6F** Type A Male to Type B Male, Gray, 1.8 m one (included w/product)