

USB-4630

4-Port Isolated USB 3.0 SuperSpeed Hub



Features

- 2,500 V_{DC} voltage isolation for upstream ports
- 4 x downstream USB 3.0 SuperSpeed ports
- Can be powered via a USB bus or 10 ~ 30 V_{DC} external power source
- ESD protection up to ±8 kV (Level 3)
- Power status and downstream port speed LED indicators
- The world's first isolated USB 3.0 SuperSpeed Hub
- Transfer speed is up to 5 Gbps
- Lockable USB 3.0 cable is included

Specifications

Connectivity

- **Ports** 1 x Upstream (Type B)
4 x Downstream (Type A)
- **Compatibility** USB 3.0 SuperSpeed⁽¹⁾
- **Transfer Speed** 5 Gbps shared by all downstream ports
- **Load Current** External power: 900 mA max. per port
USB bus power: 700 mA max. shared by all ports⁽²⁾

General

- **Housing** Plastic (ABS + PC)
- **Dimensions** 132 x 80 x 32 mm
- **Power Input** 10 ~ 30 V_{DC}
- **Power Consumption** 760 mW (no load)
- **Operating Temperature** 0 ~ 70 °C (32 ~ 158 °F) with External power
0 ~ 60 °C (32 ~ 140 °F) with USB bus power
- **Storage Temperature** -20 ~ 70 °C (-4 ~ 158 °F)
- **Storage Humidity** 5 ~ 95% RH (non-condensing)

Protection

- **Isolation Protection** 2,500 V_{DC}
- **ESD Protection** Contact discharge: ±4 kV (Level 2)
Air discharge: ±8 kV (Level 3)

Ordering Information

- **USB-4630-AE** 4-port isolated USB 3.0 SuperSpeed hub
- **96PS-A40WDIN** DIN rail power supply, 40 W, 24 V

Note:

- (1) Because of the USB 3.0 isolation requirement, when USB-4630 is connected to a USB 2.0 host, downstream ports will not accept USB 3.0 devices. In addition, cascading multiple USB-4630s is not supported.
- (2) Refer to Figure 1. Derating Curve for the load current when using USB bus power.

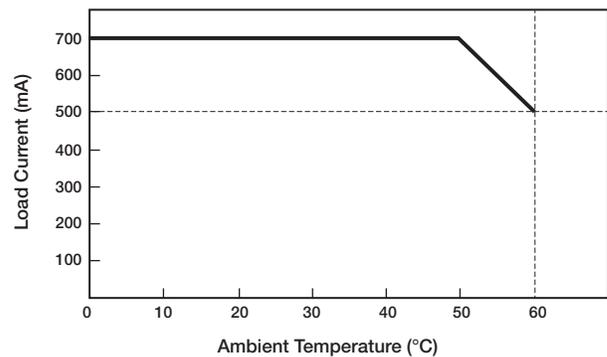


Figure 1. Derating Curve for Load Current Using USB Bus Power