Four Port Isolated USB 3.0 SuperSpeed Hub

USH304

B+B SmartWorx
Powered by ADVANTECH
www.advantech-bb.com

PRODUCT FEATURES

- 2,500 VDC voltage isolation for upstream ports
- 4 x downstream USB 3.0 SuperSpeed ports
- Can be powered via a USB bus or 10~30 VDC 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
- DIN rail mount adapter clip is included

SPECIFICATIONS

CONNECTIVITY	
Ports	1 x Upstream (Type B) 4 x Downstream (Type A)
Compatibility	USB 3.0 SuperSpeed (1)
Downstream Port	(4) Type A Female – High Retention
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 (5.20 x 3.15 x 1.26 inches)
Power Input	10 to 30 VDC
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 VDC
ESD Protection	Contact discharge: ±4 kV (Level 2) Air discharge: ±8 kV (Level 3)

ORDERING INFORMATION

MODEL NUMBER	USB SPEED
USH304	4-port isolated USB 3.0 SuperSpeed Hub

ACCESSORIES - optional; sold separately

MDR-60-12 - DIN Rail Mount Power Supply, 60W, 12VDC, 5 A Output Power

NOTE:

(1) Because of the USB 3.0 isolation requirement, when USH304 is connected to a USB 2.0 host, downstream ports will not accept USB 3.0 devices. In addition, cascading multiple USH304 units is not supported.

(2) Refer to Figure 1. Derating Curve for the load current when using USB bus power.

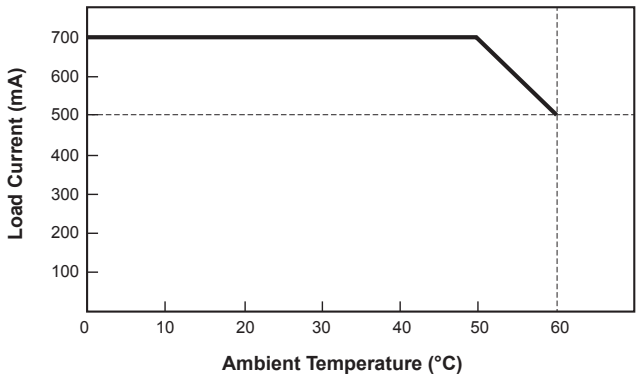

Figure 1. Derating Curve for Load Current Using USB Bus Power

All product specifications are subject to change without notice.

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