Industrial 12-Port USB 3.0 Hub User Guide

Content

Introduction & Features

This industrial-grade USB 3.0 Hub is a super-speed USB 3.0 12-port Hub that is backward compatible with USB 2.0 and USB 1.1. The Hub is compliant with USB 3.0 specification and can expand one USB 3.0 port into 12 high-efficient USB 3.0 ports.

The industrial USB 3.0 12-port Hub is designed for the use in industrial application under tough working environments. It is housed in a DIN-rail mountable metal case. The 12-port hub supports USB 3.0 super speed of 5,000 Mbps, USB 2.0 full speed of 480/12 Mbps and USB 1.1 low speed 1.5 Mbps. It is powered by a switching power supply, and each downstream port provides 900mA DC5V power to the connected USB devices. All the USB signals are protected by 15KV ESD protection.

Features

- Industrial-grade USB 3.0 Hub provides 12 downstream USB 3.0 ports

- Metal case suitable for DIN-rail mounting

- Over-current detection and protection circuit design

- Each downstream USB port supplies 5V 900 mA power for external high-power USB devices

- Individual USB port power management

- Supports USB 3.0, USB 2.0 and USB 1.1 transfer speeds (5,000 Mbps, 480 Mbps, 12 Mbps, 1.5 Mbps), automatic link and speed detection

- Supports self-powered mode

- Supports USB port with higher performance multi transaction translator architecture

- Plug-and-Play; no software or drivers required

- 15KV ESD immunity for USB serial interface protected

- LED for power and USB status indication

- Supports wide ambient temperature operation 0°C to 55°C (32°F to 131°F)

- CE, FCC approval

System Requirements

Computer with an available USB 3.0 port and USB 3.0 compliant operating systems including Windows 10, 8, 7, Vista, XP, or Mac OS X and Linux

Diagram of Industrial 12-Port USB3.0 Hub

Specifications

The table below shows the specifications of 12-Port USB 3.0 Hub

FUNCTION		SPECIFICATION
Ports	**Downstream**	12
	Upstream	1
LEDs	**Power**	1
	Port Status	12
Power Mode		Self Power Mode
Output Voltage (per port)		+5V DC
Output Current (per port)		900mA (max)
Operating Temperature		-0 °C to 55°C
Storage Temperature		-40 °C to 85°C
Humidity		0 to 90% RH. Noncondensing
Housing		Metal Case
Weight		500 g
Dimensions		156mm X 65 mm X 52mm (W x L x H) with ears
Input Power Range		90V AC to 264V AC

Installation

This 12-port USB3.0 Hub is a plug and play device. The software driver will be installed automatically.

Connect the AC to DC switching power supply to the industrial 12-Port USB 3.0 Hub. The red power LED will light on when HUB is receiving power. Connect the upstream port cable to an unused USB3.0 port on your computer.

After the software driver are loaded, you can find new "USB3.0 Hub" and new "USB2.0 MTT Hub" in Universal Serial Bus controllers under "Device Manager" of the "System Properties" screen. (Go to "Device Manager" by selecting Start- Setting- Control Panel- System Properties- Hardware- Device- Device Manager).

Connect your USB devices to the downstream ports on the industrial 12-Port USB 3.0 Hub. The USB status LED will illuminate when your USB devices connected to one of the USB ports successfully.

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