Industrial 16-Port Rack Mountable USB 2.0 Hub

Model: CG-1600i-RM User Manual

Introduction: CG-1600i-RM Hub

CoolGear CG-1600i-RM is a rugged, industrial-grade 16-port USB 2.0 Hub. The hub is compliant with USB 2.0 specification and can expand one USB port into 16 high-efficient USB2.0 port.

The CG-1600i-RM USB 16-Port Hub is designed for use in industrial applications under tough working environments. It is housed in a DIN-rail mountable metal case with screw holes for lockable USB and power cables. Next to each USB downstream port connector are two screw holes for screw lock USB cables to add an extra secure and reliable connection. The terminal power input connector is with two screw lock holes securely locking the power wires to prevent them from accidental disconnection.

The 16-port hub supports USB 2.0 full speed of 12 Mbps and USB 1.1 low speed 1.5 Mbps.
It is powered by an industrial-grade switching power supply, and each downstream port provides full 500mA power to the connected USB devices. The hub incorporates the USB hub chips for industrial usage. This CG-1600i-RM hub is featured with normal operation in wide ambient temperatures from -40°C to 70°C operation in a harsh environment. All the USB signals are protected by 15KV ESD protection.

Features:

- Industrial-grade 16-port USB 2.0 Hub with rack-mountable metal case.
- Suitable for DIN-rail mounting.
- Common mode filtering on all data lines.
- Over-current detection and protection circuit design.
- Each downstream USB port supplies 5V 500mA power for external high-power USB devices.
- Individual port power management.
- Provided a terminal block connector to support 5V 1A power for external devices.
- Supports USB 1.1 and USB 2.0 transfer speeds (1.5 ~ 480Mbps), automatic link and speed detection.
- Plug-and-Play; no software or drivers required.
- 15KV ESD immunity for serial interface protected.
- LED for power and USB status indication.
- All USB connectors with screw holes for lock the USB cable.
- Supports wide ambient temperature operation -40°C to 70°C(-40°F to 158°F).
- CE, FCC approval.

System Requirements:

The system requirements for the CG-1600i-RM 16-Port USB 2.0 Rack-Mountable Hub are:

- Any PC or Macintosh computer
- An available USB port
- A USB compliant operating system such as: Windows 8, 7, Vista, XP, 2000, ME or Mac OS 8.6 and above, etc.
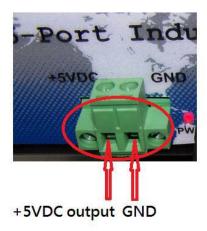
www.coolgear.com

The CG-1600i-RM provides a lockable terminal power connector to supply 5V, 1A power to each connected USB devices. All USB connectors with screw holes to lock the USB cable for extended security.

The CG-1600i-RM provides a lockable terminal power connector to supply 5V, 1A power to each connected USB devices.

+5VDC output GND

coolgear www.coolgear.com

Specifications:

Function	Specification
Ports: Downstream	16
Ports: Upstream	1
LED's: Power	1
LED's: Port Status	16
Power Mode:	Self Power Mode
Output Voltage (per port)	+5V DC
Output Current (per port)	500mA (Max)
Operating Temperature:	-40 °C to 70°C
Storage Temperature:	-40 °C to 85°C
Humidity	0 to 90% RH. Non condensing
Housing	Rack-Mountable Metal Chassis
Weight	1100g
Dimensions	427mm X 144 mm X 44mm (W x L x H) 449mm X 144 mm X 44mm (W x L x H) with ears
Input Power Range	90V AC to 264V AC
Terminal Block Connector Output Power	+5V DC 1A

Installation

This 16-port USB Hub is a plug and play device. The software driver will be installed automatically.

1. Connect the AC power cord to HUB-1600i-RM 16-Port USB 2.0 HUB. The red power LED will light on when HUB is receiving power. Connect the upstream port cable to an unused USB port on your computer.

2. After the software driver are loaded, you can find new "Generic USB 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).

3. Connect your USB devices to the downstream ports on the HUB-1600i-RM USB 2.0 HUB. The green USB status LED will illuminate when your USB devices connected to one of the USB ports successfully.

coolgear   www.coolgear.com