

USB-2563M7

7-Port Industrial USB 3.0 Hub with Metal Case

Features

- USB 3.0 Gen1 speeds up to 5 Gbps
- Expand one USB port to 7 USB ports
- 7 downstream USB 3.0 ports (Type A); 1 upstream USB 3.0 port (Type B)
- Each downstream port supports up to 900mA with over-current protection
- 4 kV contact ESD protection and 1kV surge protection
- 10-30VDC Power inputs with polarity reverse protection
- Metal case with chassis ground
- DIN-rail mounting or wall mounting (optional)



Introduction

The USB-2563M7 allows you to add multiple high performance USB 3.0 peripheral devices to your computer. It supports the USB 3.0 high-speed mode that can achieve 5 Gbps data transmitting rate. The USB-2563M7 only supports self-powered mode (drawing power from an external power supply). Externally powered USB hubs are the only way to guarantee the broadest compatibility for USB devices.

Specifications

Interface	
Ports	Upstream x 1 (Type B) ; Downstream x 7 (Type A)
Compatibility	Universal serial bus Specification Rev.3.0/2.0/1.1/1.0
Transfer Speed	5 Gbit/s-Super speed mode
Supply Current	900mA per port with over-current protection
ESD Protection	±4 kV contact (Class A)
Surge Protection	±1 kV dc ports ; ±1 kV signal ports
LED Indicators	
Power	1 LED
Downstream Ports	7 LEDs
Power	
Input Voltage Range	+10 ~ +30 V _{DC}
Power Consumption	0.5 A @ 24 V _{DC} for 450 mA per port. 1 A @ 24 V _{DC} for 900 mA per port.
Power Input Connection	Removable 3-Pin Terminal Block
Mechanical	
Dimensions (mm)	31 x 119 x 150 (W x L x H)
Installation	DIN-Rail mounting or wall mounting (optional)
Environmental	
Operating Temperature	-25 °C ~ +75 °C
Storage Temperature	-40 °C ~ +85 °C
Humidity	10 ~ 90% RH, non-condensing

LED Indicator Functions

LED	Color	Description
Power	Red ON	Power is ON
	Red OFF	Power is OFF
P1 ~ P7	Green ON	Device ready for work
P1 ~ P7	Green OFF	Device not ready to work
P1 ~ P7	Orange ON	Over-current protection on

Appearance



Pin Function for Terminal Block : Power Input Connector

External power supply is connected using the removable terminal block :

+Vs : Power input (+10 ~ +30 VDC) and should be connected to the power supply (+)

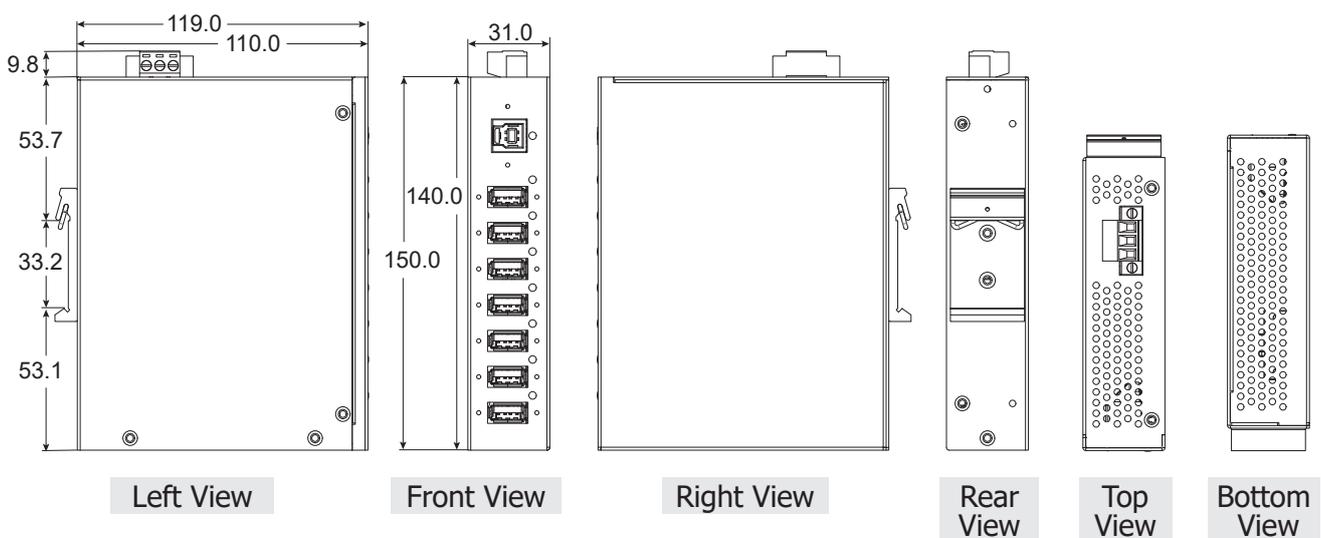
GND : Ground and should be connected to the power supply (-)

F.G. : F.G. stands for Frame Ground (protective ground). It is optional. If you use this pin, it can reduce EMI radiation; improve EMI performance and ESD protection.

Notes :

1. The USB-2563M7 only supports self-powered mode (Self-powered mode means the USB Hub is being powered by an external power supply).
2. 5 Gbps is shared by all 7-ports on USB-2563M7.

Dimensions (Units: mm)



Ordering Information

USB-2563M7 CR	7-Port Industrial USB 3.0 Hub with Metal Case (RoHS) Includes CA-USB-AB1-L010 Cable (USB 3.0 Type-B to USB 3.0 Type-A Cable, 1M)
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