Model: USBG-ISO-M

USB Isolator 3000 Vrms Rugged Metal Chassis

The USBG-ISO-M is a rugged, industrial-grade full / low speed USB Isolator that provides high-voltage 3 kV isolation to protect the host computer and expensive USB equipment connected.

Specifications

USB Bus

Compliance	USB 1.0/1.1 compliant, USB 2.0 compatible
Speed	1.5 Mbps, Low speed data rate 12 Mbps, Full speed data rate

USB Interface

Upstream	USB A-Type male connector with 3ft USB cable
Downstream	USB A-Type female connector with screw holes for locking the USB cable

USB Port Protection

ESD Protection	15KV for Upstream and Downstream USB Port
Isolates and Protect	Electrical isolation up to 3000Vrms
Short Protect	With short circuit protection

Power Supply

Input	Bus-powered No external power adapter required
Output	5VDC 420 mA (max) through USB downstream port pin 1

Maximum Rating

Downstream Port Load	Load < 420 mA
Downstream Port Output Voltage	4.85 VDC ~ 5.15 VDC

Driver Support

OS	No software or drivers required

Mechanical

Chassis	SECC metal chassis with DIN rail bracket
Dimensions	73mm X 52mm X 25mm (LxWxH) 73mm X 75mm X 25mm (LxWxH) with ears
Weight	190g

Environmental

Operating Temperature	-40°C ~ 70 °C (-40 to 158 °F)
Storage Temperature	-40°C ~ 85 °C (-4 to 185 °F)
Operating Humidity	5 to 95% RH
Safety Approvals	CE, FCC

Features

- Isolates and protects any USB devices from a USB Host
- Electrical isolation up to 3000 Vrms upstream to downstream USB port
- Common mode filtering on all data lines
- 5V isolated pass-thru power up to 420 mA to downstream device
- Support USB 2.0 full speed 12 Mbps by default setting
- USB 1.1 low speed 1.5 Mbps data rate selectable by jumpers
- High speed USB devices works in full speed mode
- No software or drivers installation required
- Short circuit protection
- LED for power indication.
- Wide ambient temperature operation -40 to 70°C (-40 to 158°F)
- USB bus-powered
- Packed in rugged metal case with USB cable securely locked to the case
- Metal case with DIN rail brackets
- RoHS and RoHS2 compliant

Product Information

Product Name:	USBG-ISO-M
Packing List:	USBG-ISO-M USB Isolator with cable
Optional Accessories:	N/A