

Isolated USB 3.2 Gen1 4-Port Hub

Isolated USB 3.2 Gen1 4-Port Hub protects PC or Laptop while connecting USB peripherals which is wired to high voltage. This compact, industrial grade isolator hub is very easy to use and provides a high-voltage barrier protection against surges, noise and ground loop errors. It is suitable for using in sensitive applications like automotive measurements.

Isolated USB 3.2 Gen1 4-Port Hub provides a high-voltage isolation barrier between computer and its connected USB devices. The isolation protects equipment from electrical over-voltages and transient voltage spikes, by eliminating ground loop currents flowing between the PC and USB devices which can cause damage and inaccurate measurements.

Additionally, isolation minimizes conducted noise from static discharge, magnetic fields and radio frequency interference.

Features

- Isolation 1kV DC between USB 3.2 Gen1 host and USB devices.
- Isolation 5kV RMS between USB 2.0 host and USB devices.
- Supports USB 3.2 Gen1 data transfer rates up to 5Gbps.
- Fully Compliant with USB specification 1.1, 2.0, 3.2 Gen1.
- Supports Over Current Protection and Short Circuit Protection on each port.
- Compatible with all USB-C and Thunderbolt devices.
- Supports $\pm 15\text{kV}$ ESD protection on each port.
- Auto-Negotiation of Link Speed.
- The USB 3.2 Gen1 Type-C ports comply with USB Battery Charging Spec 1.2 and enable to provide up to 1.5A (CDP mode) output current on each port.
- Compatible with OS thru USB 2.0 : Windows 98SE / ME / 2000 / XP / Vista / 7 / 8 / 8.1 / 10 / 11; Mac OS 8.6 or above.
- Compatible with OS thru USB 3.2 Gen1 : Windows 7 / 8 / 8.1 / 10 / 11; Mac OS X Mountain Lion or above.

Specification

Model No.			USB3-GEN1iH
Isolation	USB 2.0	D+ / D-	5kV RMS
	USB 3.2 Gen1	TX / RX	1kV DC
Transfer Rate			1.5M / 12M / 480M / 5Gbps
Connector	Host		USB 3.2 Gen1 Type-C Female
	Device	Type-C	USB 3.2 Gen1 Type-C Female x 2
		Type-A	USB 3.2 Gen1 Type-A Female x 2
Cable Length			1m
Environmental	Operating Temperature		0 ~ 40°C
	Storage Temperature		0 ~ 60°C
	Humidity		0-80% RH, Non-condensing
LED			5
Power Supply			5VDC 4A
Downstream Power	Type-C		Up to 1.5A on each port
	Type-A		Up to 500mA on each port
Housing			Aluminum
Dimension (L x W x H)			130 x 74 x 30 mm

