

# SILORA R&D

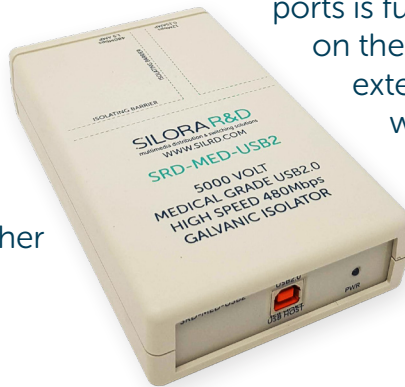
The vision of innovation



## SRD-MED-USB2.0 High speed 5KV Galvanic Isolator

Silora's SRD-MED-USB2 is a USB isolator that protects both the power and the connected USB devices data lines from harmful ground loops and damaging power surges that are intolerable in the medical environments.

The USB 2.0 High Speed 480 Mbps Isolator provides two isolated USB downstream ports, each port is isolated from each other and from upstream.



The SRD-MED-USB2 has one isolated upstream facing port, with B-type USB 2.0 connector and two downstream facing ports with standard A-type USB 2.0 connectors. Each one of the ports is fully isolated from other peripherals on the board. The device works with an external medical grade power supply, with locking type DC connector which is included in the product.

Contact us to learn more  
[info@silrd.com](mailto:info@silrd.com)

### Features

- 2 Isolated USB type A connectors for Devices connection.
- 1 type B USB connector for Host's connection.
- **USB device port 1:** Supports true high-speed (480 Mbps). Compliant with USB 1.1 and USB 2.0 full-speed (12 Mbps). Provides current up to 1.5 Amp.
- **USB device port 2:** USB 2.0 full-speed (12 Mbps). Provides current up to 100 mA.
- 5000 VDC (3500Vrms) Medical grade galvanic isolation between upstream port (Host), and downstream ports,

- and also between the ports themselves.
- Package includes an external Medical grade power supply for the unit's operation
- Package includes one USB type B cable for connecting to the host.
- High Retention USB Connectors.
- Supports all 4 USB Data Transfer Types (Control, Isochronous, Interrupt, Bulk).
- Complies with latest EN60601-1 EDITION 3.1 medical grade standard.
- Supports High-speed (USB device 1 only), Full-speed and/

- or Low-speed – Automatically Detected, and supports different speeds on a working hub.
- Supported by Microsoft Windows, Linux, and other USB aware operating systems.
- Backward compatibility is preserved if the downstream, or upstream ports are connected to a USB1.1 or USB2.0 compliant device.
- Green LED indicates that power is on.
- Wall mountable.
- True "Plug and Play", ready to operate right out of the box.
- No new driver is required.