

MDB | USB Interface Master/Slave

The new MDB|USB Interface Master/Slave from Qibitronics is a reliable generic MDB Interface for vending machines and other MDB enabled devices. It connects the vending controller to modern IT solutions via USB, or it can act as a Vending Machine Controller, where a separate Computer controls the functionality. The Interface can run as MDB-Master, MDB-Master and Slave, or as Slave.

An optional USB A type output can supply power to external devices with up to 5 Watt, enough for a mini Linux Computer. An integrated relay can be used for general switching functions and is controlled by USB commands. Thanks to a message buffering concept, the integration in software on the connected computer is easy to achieve and not timing critical.

Summary

- Generic MDB Interface
- Usable with Windows, Mac OS X and Linux
- Can act in MDB-Master, MDB-Master-Slave or in Slave mode
- 2-year warranty
- Developed in Switzerland, manufactured in the EU



Specification

- USB 2.0 Interface
- MDB Interface, Master functionality
Message queuing, local Ack
- Power Supply via USB (5V, max. 500 mA)
- RS232 serial interface
- High quality plastic, DIN Rail mount
4.13" x 3.34" x 1.1", 103mm x 85mm x 31mm
- 4 LED Function Indicators
- Relay Output controllable via USB

Optional:

- Power Output (USB A Socket) from MDB
5V, 3A, non-isolated

USB|MDB Master/Slave Interface

Technical Specification

Interface

- Two MDB Connectors Sockets

Serial Interface

- RS-232 (DSub-9 male)
600-115'200 baud rate, 7/8 bit, Odd/Even/None Parity, HW Flow Control RTS/CTS
- TTL 5V on board

USB Interfaces

- Two USB 2.0 full-speed ports:
 - 1x USB-Device to connect Computing Device and small Routers
 - 1x USB-Host to connect 4G-Modem-Stick (not yet supported)

Status LED

- 4 LED function indicators (Master RX, TX, Slave RX, TX)

Power Supply (depends on the Mode)

- External via USB (Device Mode, 5V, max. 500 mA).
- Internal via MDB-Bus 5V, 3A to USB-Type A connector
- optional External via MDB-Power-Supply (24V)

Case

- High quality plastic, DIN Rail mount
- 4.13" x 3.34" x 1.1", 103mm x 85mm x 31mm

Warranty

- Two years

Environmental and Certifications

- Operation Environment: 0 to +50°C / 32 to 104°F
- Storage Conditions: 0 to +70°C / 32 to 158°F
- Both 0-70% relative humidity, non-condensing
- Certifications: FCC, CE