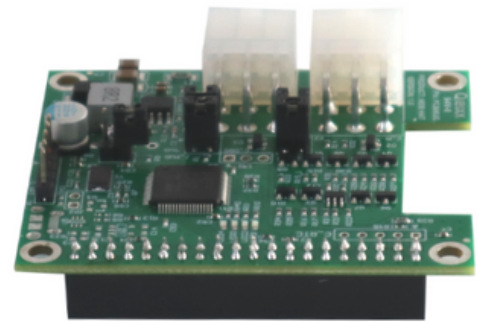
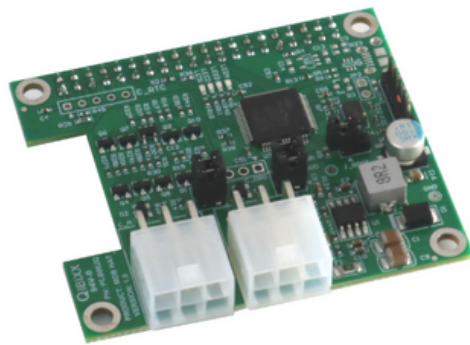


PRODUCT BRIEF

Presentation

The Pi Hat is the first generation of Qibixx MDB to Serial Adaptor with a Raspberry Pi Form Factor. It can be used as a Master/Vending Machine Controller(VMC) or a Slave in the Multi Drop Bus (MDB). These features allow to implement a custom VMC, simulate cashless devices and virtually any application that needs to communicate with the MDB bus.



Features

- High level functional interface for cashless device implementations
- Independent Master and Peripheral interfaces
- Jumperless configuration and operation
- Firmware update capable
- Universal MDB Interface in Pi Hat form factor;
- Serial and SPI host interface capabilities;
- Precise, time-stamped sniffing from MDB bus;
- High-level, easy to implement serial interface protocol;
- 2 years warranty;

TECHNICAL SPECIFICATIONS

Interfaces

- 2 MDB Connectors;
- Pi HAT GPIO Connector

CPU

- STM32

Power Requirements

- 3.3V DC if supplied by the Raspberry Pi
- 20...42,5V from the MDB Bus as defined on the MDB Protocol Sepcification

User Interface

- 2x RGB LED Status (TX & RX)

Measurement/Mechanics

- 63mm x 56mm x 20mm

Weight

- 25g

Warranty

- 2 years

ENVIRONMENTAL

Operating Environment

0°C to + 50° / 32 to 122°F environmental
0 - 70% relative humidity, non-condensing

Storage Conditions

-20°C to + 70° / -4 to 158°F
0 - 70% relative humidity, non-condensing

CERTIFICATIONS

Certification only available for the full product where the MDB Pi HAT will be integrated

ORDERING INFORMATION

ORDER NUMBER XXXX_XXX

For commercial related questions (distributors contacts, price list, business opportunities) please contact sales@qiba.pt

For technical inquiries (problem reports, request for documentation, etc.) please contact info@qiba.pt