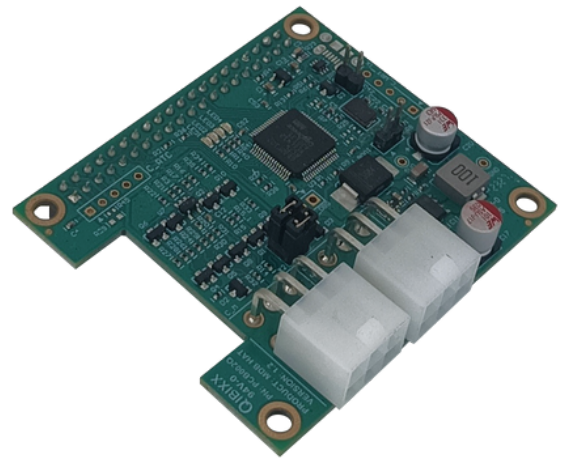
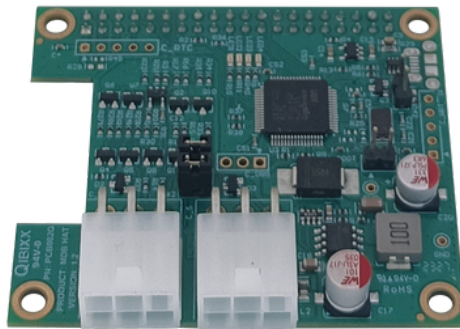


PRODUCT BRIEF

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

GD32

Power Requirements

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

User Interface

4x 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

RoHS

ORDERING INFORMATION

ORDER NUMBER P0016Q

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**