

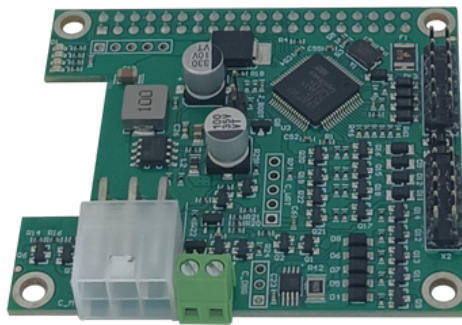
PRODUCT BRIEF

Presentation

The Qibixx MDB PI Hat VMC is a reliable and universal MDB solution that, when combined with a Raspberry Pi can serve as a Vending Machine Controller.

This device Combines the MDB Controller which can be used to control the several peripherals as defined in the MDB Specification with the I/O Capability that can be used to control the vending Machine Mechanics and read Inputs from sensors or similar devices.

It is an all in one solution for the handling of both MDB Peripherals and the VMC of the operation, making it a cost effective product to design a fully customized vending machine.



Features

- 1x Master MDB Port with sniffing capability;
- 5x Low drive outputs, 1A capable;
- 4x High drive outputs, 1A capable;
- 4x Digital inputs (Active Low);
- 3.3v TTL serial IO for extensions (Custom Applications);
- 1x Master MDB Port;
- Pi HAT GPIO Connector;
- 2 years warranty;

MDB PI HAT VMC

TECHNICAL SPECIFICATIONS

Interfaces

5x Low drive outputs, 1A capable;
4x High drive outputs, 1A capable;
4x Digital inputs (Active Low);
3.3v ttl serial IO for extensions (Custom Applications);
1x Master MDB Port;
Pi HAT GPIO Connector;

CPU

GD32

User Interface

4x LED Status (TX & RX)

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

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

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;

Measurement/Mechanics

63mm x 56mm x 20mm

Weight

25g

Warranty

2 years

CERTIFICATIONS

RoHS

ORDERING INFORMATION

ORDER NUMBER P0030Q

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