

# PRODUCT BRIEF

## Presentation

The VEMIO Product series provides USB connected IO interfaces which can be ideally used to build vending machines with hosts like Raspberry Pi, Intel NUC and other standard computers.

The devices use a virtual USB Serial connection and an ASCII protocol (line based) so they are very easy to use and control from a host.



## Features

- Matrix drivers (high and low side drivers for 12V or 24V systems);
- Current detection;
- Control signal scanning;
- Temperature monitoring.

# VEMIO-2

## TECHNICAL SPECIFICATIONS

### Interfaces

USB 2.0 Connectory type B

### CPU

PIC16F1455

### Power Requirements

9V/24V power supply input  
5V from USB connection

### User Interface

x Digital Inputs  
1x Temperature Sensor  
2x Relays  
8x Driver High  
11x Driver Low

### Measurement/Mechanics

106mm x 85mm x 32mm

### Weight

120g

### 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** P0015Q

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**