

## PRODUCT BRIEF

### Presentation

Unigate is a Linux based MDB device with Master, Slave/Peripheral and Sniffing capabilities. It features additional IOs for special applications and can connect via ethernet to a host or cloud. Due to the embedded, low-power design and high reliability, it is perfect to be used in payment and remote machine monitoring applications. Unigate was designed as a cost effective option to implement custom solutions for MDB Systems.



### Features

- Embedded MDB Device, with VMC and/or Peripheral capability, targeted for Custom MDB Applications;
- Full-fledged Linux (Openembedded/Yocto);
- Capable of performing any MDB operation as well as sniffing the Bus remotely;
- Network 10/100;
- Includes Software Controllable Relays, to be used in Pulse driven applications;
- Developed and Manufactured in the EU;

### Use Cases

- Accept Cashless Payments to control a Relay that can activate any dry contact system (e.g. automatic doors, washing machines, etc);
- Remotely examine the MDB Bus on a given vending machine, identify and alert for errors in the bus;
- Send/Retrieve EVA-DTS (European Vending Association - Data Transfer Standard, used to retrieve audit data or sending configurations to vending machines) files to/from FTL (File Transfer Layer) capable vending machines;
- Web Controllable Custom vending machine;

# UNIGATE

## TECHNICAL SPECIFICATIONS

### Interfaces

MDB VMC and Peripheral capability;  
2 Relay outputs;  
2 Contact Closure inputs;  
2 USB Ports;  
RS232 Connector (3-Wire);  
Ethernet

### CPU

BARIX IPAM

### Power Requirements

9..40V Wide-range Power Supply

### User Interface

4x LED Status (TX & RX)  
1x LED 5V Power Status

### Measurement/Mechanics

106mm x 85mm x 32mm  
DIN Rail Mountable Case

### 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

CE, RoHS, FCC - In Progress

## ORDERING INFORMATION

**ORDER NUMBER** P0041Q

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

For technical inquiries (problem reports,  
request for documentation, etc.) please  
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