



## Features:

- DM&P Vortex86EX2 Processor, Master 533MHz/Slave 400MHz
- EtherCAT Master Core runs on dedicated CPU
- Hardware/Software Real-time
- 86Duino Integrated Development Environment (IDE)
- Support EtherCAT, Modbus, Ethernet, etc.
- Internal Monitoring Hardware Information
- Operating temperature -20 to +70°C/-40 to +85°C (Option)
- 3LAN/USB/MicroUSB/RS485/Audio

## Specifications

CPU	DM&P Vortex86EX2 Processor, Master 533MHz/Slave 400MHz	
Memory	512MB/1GB DDRIII Onboard	
Storage	32MB SPI Flash/2GB SLC eMMC	
LAN	1Gbps Ethernet RJ45 x1 10/100Mbps Ethernet RJ45 x2 for EtherCAT	
I/O Connector	Power DC Input/Output Connector x1 USB 2.0 Host x1 Micro USB (Type-B) x1 (Upload/Debug only)	Audio Connector x1 RS485+/- pins x1 RJ45 x3
Protocol	EtherCAT, Modbus, Ethernet, etc.	
Ethernet Standard	IEEE 802.3	
EtherCAT Cycle Time	125 $\mu$ s (min.)	
Power Connector	4-pin Power Input/Output & 2-pin FGND	
Power Requirement	+19 to +50VDC Power Input (Typ. +24VDC@210mA)	
Power Consumption	Min. 5W	
Operating Temperature	-20 to +70°C/-40 to +85°C (Option)	
Dimension	107.45 x 77.39 x 34 mm	
Weight	270 g	
Mounting	DIN-Rail	
Certifications	CE, FCC, VCCI	
Internal Monitoring	Temperature, Voltage, Current	
Software Support	86Duino Coding IDE 500+ (The environment is written in Java and based on Arduino IDE, Processing, DJGPP, and other open source software)	

## Ordering Information

QEC-M-01	Vortex86EX2 Processor 533MHz-based EtherCAT MDevice
QEC-M-01P	Vortex86EX2 Processor 533MHz-based EtherCAT MDevice/PoE

\* For detailed ordering information, please contact our sales staff or view the user manual.

## Dimension

