



Features:

- 86Duino Integrated Development Environment (IDE)
- Low Code Programming Tools support
- Modular structure of EtherCAT Master: CoE, FoE, DC, Cable-Redundancy
- Operating temperature -20°C to 70°C
- Guarantee Real-time

Specifications

CPU	DM&P Vortex86EX2 Processor, Master:600MH Slave 400MHz
Memory	1GB / 2GB DDRIII onboard
Storage	32MB SPI Flash / MicroSD / eMMC onboard (Option)
LAN	1Gbps Ethernet RJ45 x1 10/100Mbps Ethernet RJ45 x2 for EtherCAT
I/O Connector	Power DC Input/Output Connector x1 Micro USB (Type-B) x1 Audio Connector x1 USB Host x1 RS485 x1 RJ45 x3
Protocol	EtherCAT (Modular structure of EtherCAT Master: CoE, FoE, DC, Cable-Redundancy)
Ethernet Standard	IEEE 802.3
Control Cycle Time	125 μs (min.)
Power Connector	6-pin Power Input /Output
Power Requirement	+24VDC @ 220mA (Typ.)
Operating Temperature	-20°C to 70°C
Dimension	107.45 x 77.39 x 34 mm
Weight	270 g
Mounting	DIN-Rail
Software Support	86Duino IDE <small>(The environment is written in Java and based on Arduino IDE, Processing, DJGPP, and other open source software)</small>

Ordering Information

QEC-M-01	Vortex86EX2 Processor 600MHz-based EtherCAT Master System
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