Features:

- Integrated EtherCAT MDevice on Real-time Dual-Core CPU
- 86Duino Integrated Development Environment (IDE)
- 15" TFT LCD with Resistive Touchscreen (1024x768)
- High Reliability SLC eMMC Storage with HDMI Output for HMI
- Industrial Operating Temperature 0 to +50°C/-20 to +60°C (Option)
- Rich Interfaces: 3×LAN, 3×USB, RS232/485, CAN, SPI, I2C, Arduino-Compatible GPIO
- Built-in Voltage, Temperature, and System Status Monitoring

Specifications

CPU	DM&P Vortex86EX2 Processor, Master 533MHz/Slave 400MHz
Memory	512MB/1GB DDRIII Onboard
Storage	32MB SPI Flash/2GB SLC eMMC
LCD Display	15-inch TFT 1024x768 Resolution LCD with Restive touchscreen
LAN	1Gbps Ethernet RJ45 x1; 10/100Mbps Ethernet RJ45 x2 for EtherCAT
I/O Connector	2.54mm 2-pin header for Power Connector 1.25mm 4-pin header for EXT I2C TFT Driver 1.25mm 4-pin wafer for Line-Out Power DC Input/Output Connector x1 USB (Type-C) x1 (Upload/Debug only) VGA Connector (10-pin) x1 USB 2.0 Host x3
Arduino Compatible Connector	2.54mm 10-pin female header for I2C0, MCM, GPIO 2.54mm 8-pin female header for MCM, GPIO, COM1 (TTL) 2.54mm 8-pin female header for Power source 2.54mm 6-pin female header for ADC/GPIO 2.54mm 6-pin female header for GPIO, VCC and GND 2.54mm 6-pin female header for CAN0 and CAN1 bus 2.54mm 10-pin header for SPI, RESET- 2.54mm 10-pin header for SPI, RESET-, RS485
Protocol	EtherCAT, Modbus, Ethernet, CAN bus, etc.
Ethernet Standard	IEEE 802.3
Control Cycle Time	125 µs (min.)
Power Connector	6-pin Power Input /Output
Power Requirement	+19 to +50VDC Power Input (Typ. +24VDC)
Power Comsumption	14.1W
Operating Temperature	0 to +50°C/-20 to +60°C (Option)
Dimension	369 x 278 x 49.25 mm
Weight	2.3 Kg
Internal Monitoring	Temperature, Voltage, Current, Startup time
Software Support	86Duino Coding IDE 500+

Ordering Information

QEC-M-150T	EtherCAT MDevice with 15-inch LCD
QEC-M-150TP	EtherCAT MDevice with 15-inch LCD/POE

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

Dimension