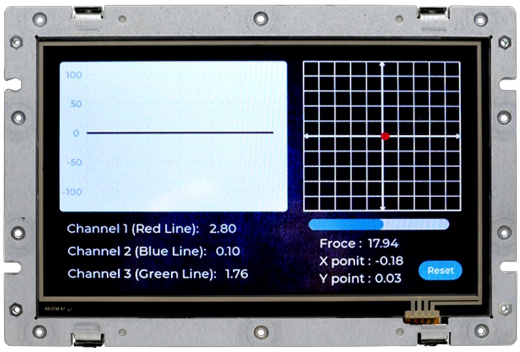
QEC-M-070T



Features:

- 86Duino Integrated Development Environment (IDE)
- Low Code Programming Tools support
- Modular structure of EtherCAT Master: CoE, FoE, DC, Cable-Redundancy
- 7-inch TFT 800×480 Resolution LCD
- Operating temperature -20°C to 70°C
- Guarantee Real-time

Specifications

CPU	DM&P Vortex86EX2 Processor, Master:600MHz / Slave 400MHz	
Memory	1GB / 2GB DDRIII onboard	
Storage	32MB SPI Flash / MicroSD / eMMC onboard (Option)	
LCD Display	7-inch TFT 800×480 Resolution LCD with Restive touch screen	
LAN	1Gbps Ethernet RJ45 x1 10/100Mbps Ethernet RJ45 x2 for EtherCAT	
Expansion	MiniPCIe x 1 with Micro SIM Card Holder	
I/O Connector	2.54mm 2-pin header for Power Connector 1.25mm 4-pin wafer for Line-Out Power DC Input/Output Connector x1 Micro USB (Type-B) x1 VGA Connectorx1 USB Host x3 RJ45 x3	1.25mm 4-pin header for EXT I2C TFT Driver 1.25mm 4-pin header for Touch Screen Micro SIM Card Holder x1 LCD Connector x1 MiniPCIe slot x1 Speaker x1
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 SPI0 bus, RESET-, GPIO and I2C1 2.54mm 10-pin header for SPI1 bus, RESET-, GPIO and RS485 function (COM4)
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	186 x 121.05 x 31.05 mm	
Weight	485g	
Software Support	86Duino IDE (The environment is written in Java and based on Arduino IDE, Processing, DJGPP, and other open source software)	

Ordering Information

QEC-M-070T	Vortex86EX2 Processor 600MHz-based EtherCAT Master System with 7-inch LCD