

iComTech QEC-M-150T 15 Inch Open Frame Touch Panel PC



iComTech QEC-M-150T 15 Inch Open Frame Touch Panel PC User Guide

[Home](#) » [iComTech](#) » iComTech QEC-M-150T 15 Inch Open Frame Touch Panel PC User Guide 

Contents

- [1 iComTech QEC-M-150T 15 Inch Open Frame Touch Panel PC](#)
- [2 Product Usage Instructions](#)
- [3 FAQs](#)
- [4 Features](#)
- [5 Specifications](#)
- [6 Ordering Information](#)
- [7 Dimension](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)
- [9 Related Posts](#)



iComTech QEC-M-150T 15 Inch Open Frame Touch Panel PC



Product Usage Instructions

• Powering Up the QEC-M-150T

- To power up the device, connect the power input within the specified range of +12 to +50VDC. Ensure the power source is stable.

• Connecting to LAN

- Connect the Ethernet RJ45 cable to the LAN port for network connectivity. Use the appropriate cables for desired network speeds.

• Using the LCD Display

- If applicable, connect the LCD power according to the provided specifications. Adjust display settings as needed.

• Expansion and I/O Connectivity

- Utilize the various I/O connectors and expansion slots for connecting additional peripherals or devices as required.

• Software Support

- Utilize the 86Duino Coding IDE for programming and interfacing with the device. Refer to the user manual for detailed software usage instructions.

FAQs

• Q: What is the difference between QEC-M-150T and QEC-M-150TP?

- A: The main difference is that QEC-M-150TP includes Power over Ethernet (PoE) capability, allowing power and data to be transmitted over a single Ethernet cable.

• Q: Can I expand the memory on the QEC-M-150T?

- A: The memory on the QEC-M-150T is onboard and not user-expandable. It comes with either 512MB or 1GB DRI onboard memory.

• Q: What software is supported on the QEC-M-150T?

- **A:** The QEC-M-150T supports the 86Duino Coding IDE, which is based on Java and Arduino IDE, Processing, DJGPP, and other open-source software.

Features

- DM&P Vortex86EX2 Processor, Master 533MHz/Slave 400MHz
- EtherCAT Master Core runs on a dedicated CPU
- Hardware/Software Real-time
- 86Duino Integrated Development Environment (IDE)
- Up to 128 axes support motion control
- 15-inch TFT 1024×768 Resolution LCD with Restive touchscreen
- Internal Monitoring Hardware Information
- Operating temperature 0 to +50°C/-20 to +60°C (Option)
- 3LAN/3USB/MicroUSB/VGA/MiniPCle/Arduino Pins

Specifications

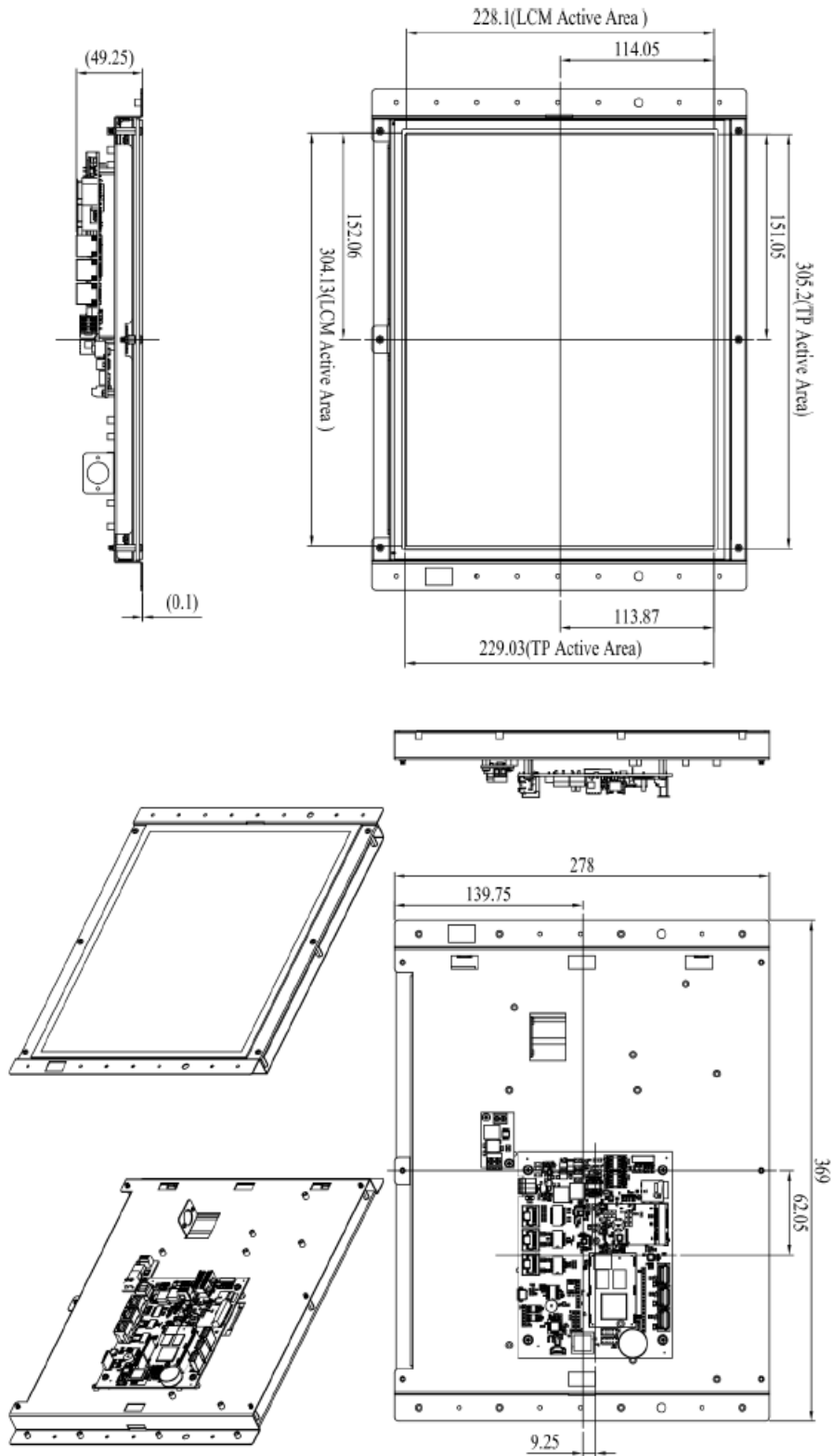
CPU	DM&P Vortex86EX2 Processor, Master 533MHz/Slave 400MHz	
Memory	512MB/1GB DRI Onboard	
Storage	32MB SPI Flash/2GB SLC eMMC	
LCD Display	15-inch TFT 1024×768 Resolution LCD with Restive touchscreen	
LAN	1Gbps Ethernet RJ45 x1 & 10/100Mbps Ethernet RJ45 x2 for EtherCAT	
Expansion	MiniPCle x 1 with Micro 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 (Upload/Debug only) VGA Connector (10-pin) x1	1.25mm 4-pin header for EXT I2C TFT Driver Micro SIM Card Holder x1 MiniPCle slot x1 USB Host x3 RJ45 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 CAN0 and CAN1 bus 2.54mm 6-pin female header for GPIO, VCC and GND 2.54mm 10-pin header for SPI, RESET- 2.54mm 10-pin header for SPI, RESET-, RS485
Protocol	EtherCAT (EtherCAT Master Functions: PDO, CoE, DC, Cable-redundancy, etc.)	
Ethernet Standard	IEEE 802.3	
Control Cycle Time	125 μs (min.)	
Power Connector	6-pin Power Input/Output	
Power Requirement	+12 to +50VDC Power Input (Typ. +24VDC)	
LCD Display Power	DCM-12V: Input 15~36Vdc and Output 12V@Max. 2.5A.	
Power Consumption	10W	
Operating Temperature	0 to +50°C/-20 to +60°C (Option)	
Dimension	246 x 185.33 x 32.83mm	
Weight	2.3 Kg	
Internal Monitoring	Temperature, Voltage, Current	
Software Support	86Duino Coding IDE (The environment is written in Java and based on Arduino IDE, Processing, DJGPP, and other open source software)	

Ordering Information


QEC-M-150T	Vortex86EX2 Processor 533MHz-based EtherCAT Master System with 15-inch LCD
QEC-M-150TP	Vortex86EX2 Processor 533MHz-based EtherCAT Master System with 15-inch LCD/PoE

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

Dimension



Documents / Resources

	<p>iComTech QEC-M-150T 15 Inch Open Frame Touch Panel PC [pdf] User Guide QEC-M-150T 15 Inch Open Frame Touch Panel PC, QEC-M-150T, 15 Inch Open Frame Touch Panel PC, Open Frame Touch Panel PC, Touch Panel PC, Panel PC</p>
---	--

References

- [User Manual](#)

Manuals+ Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.