# **User Manual**

# PPC-070B Series

Mini All in One Panel Computer

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Ozerotech

### 1. Features

- All in one touch 7.0" LCD mini computer
- Touch Panel : 4W Resistive Type
- Fan/Fan-less available
- VIA Eden/Nano Processor
- Support DDR2 533 SODIMM up to 2GB
- 9 COM + 6 USB extension capability
- 8G SSD + Micro SD + 2.5" HDD space (MPC-0811 case)
- VGA + LAN + WIFI (option)

### 2. Checklist

- 1x PPC-070B
- 1x Power Adapter
- 1x Power Cord
- 1x Driver CD

## 3. Product Specifications

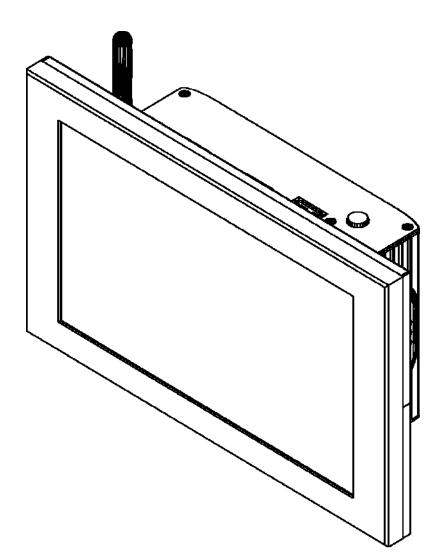
PPC-070B general specification			
LCD Size	7.0" WVGA		
Resolution	840 x 480		
Luminance(cd/m)	400		
Backlight Lifetime	50,000hrs		
Touch Screen Type	4 wire, Resistive		
Power Supply	Input: 100-240 VAC, 50-60 Hz, Output: 36W, 12VDC , 3A		
	Operating: 0°C to 35°C, 0%-90%, non-condensing		
Temperature/	Storage: -20°C to 80°C, 0%-90%, non-condensing		
Humidity			
Dimensions	See below drawing		
Weight	To be defined		
Certification	CE, FCC Class A		

Note: On the PPC-070B behind, which is combined with MPC-0811/ MPC-0812 Mini Box Computer. Please refer to the MPC-0811/MPC-0812 series manual for detail information.

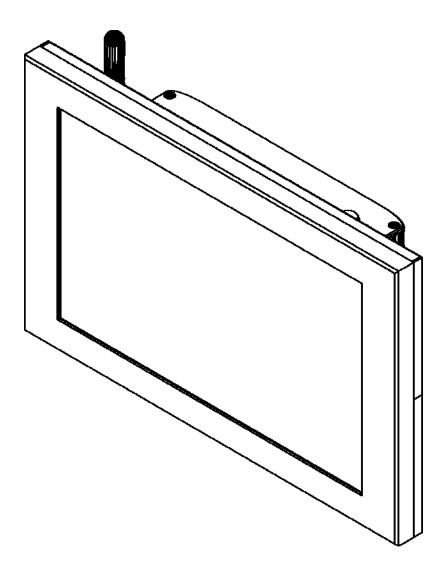
# System outlook

Refer to the diagrams below to identify the components of the system.

PPC-070B-11(with MPC-0811 case)



PPC-070B-12(with MPC-0812 case)



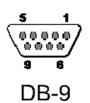
## 4. Extension COM port definition

I/O TYPE	COM Port number	
TYPE 0/1	COM2, COM3, COM4, COM5, COM6, COM7, COM8, COM9, COM10	
TYPE 2	COM3, COM7, COM8, COM9	

Note: COM1 occupied by touch controller (option)

#### COM3/COM7/COM8/COM9

Those DB-9 male connectors support RS-232 12V Level



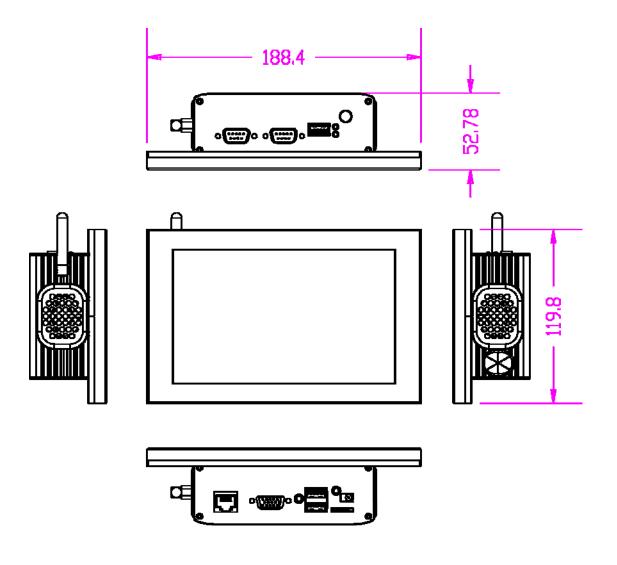
Pin	Signal		
1	DCD, Data carrier detect		
2	RXD, Receive data		
3	TXD, Transmit data		
4	DTR, Data terminal ready		
5	GND, ground		
6	DSR, Data set ready		
7	RTS, Request to send		
8	RTS, Request to send		
9	RTS, Request to send		

#### COM2/COM4/COM5/COM10

Pin	Signal	
1	NC	
2	RXD, Receive data	
3	TXD, Transmit data	
4	DTR, Data terminal ready	
5	GND, ground	
6	DSR, Data set ready	
7	RTS, Request to send	
8	RTS, Request to send	
9	NC	

### 5. Mechanical Dimensions

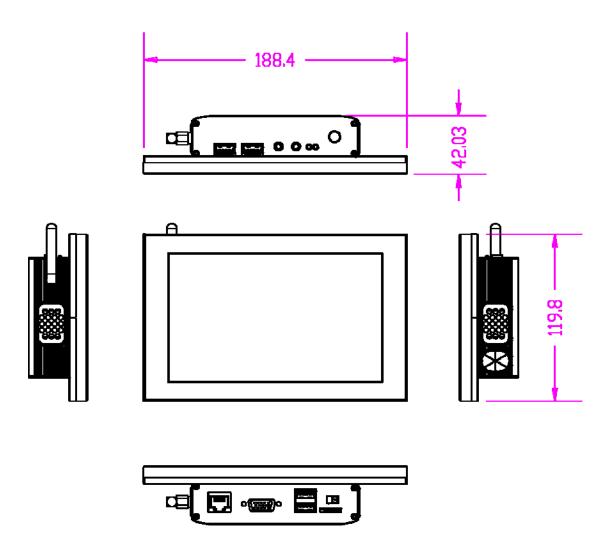
PPC-070B-11(with MPC-0811 case)



Dimensions in millimeters

### **Mechanical Dimensions**

PPC-070B -12(with MPC-0812 case)



Dimensions in millimeters

## 6. AWARD BIOS Setting COM port

#### Main Menu

The BIOS Setup is accessed by pressing the "DEL" key after the Power-On Self-Test (POST) memory test begins and before the operating system boot begins. Once you enter the BIOS Setup Utility, the Main Menu will appear on the screen. The Main Menu provides System Overview information and allows you to set the System Time and Date.

Now use the "<" and ">" cursor keys to navigate to "Integrated Peripherals" menu screen, and depress "Enter".

Phoenix - AwardB	IOS CMOS Setup Utility			
<ul> <li>Standard CMOS Features</li> <li>Advanced BIOS Features</li> <li>Advanced Chipset Features</li> <li>Integrated Peripherals</li> <li>Power Management Setup</li> <li>PnP/PCI Configurations</li> <li>Frequency/Voltage Control</li> </ul>	Load Fail-Safe Defaults Load Optimized Defaults Set Supervisor Password Set User Password Save & Exit Setup Exit Without Saving			
Esc : Quit F10 : Save & Exit Setup Onboard IO, IRQ, DMA Assignment				

### **Integrated Peripherals Sub-Menu**

Use the "Down" cursor keys to navigate to "Super IO Device" menu screen, and depress "Enter".

VIA OnChip IDE Device	[Press Enter] [Press Enter]	Item Help
VIA OnChip PCI Device SuperIO Device VIA OnChip NonPCI Device USB Device Setting	[Press Enter] [Press Enter] [Press Enter]	Menu Level ≯

### Super IO Device Sub-Menu

From this menu, Use the "UP", "Down" cursor keys and "Enter" key to select COM port "ADDRESS" with IRQ number. The default value was setting as following picture.

Phoenis	<ul> <li>AwardBIOS CMOS Setup SuperIO Device</li> </ul>	Utility
Onboard Serial Port 1 Onboard Serial Port 2	[3F8/IRQ4] [2F8/IRQ3]	Item Help
Onboard Serial Port 2 Onboard Serial Port 3 Serial Port 1 Use IRQ Onboard Serial Port 4 Serial Port 2 Use IRQ Onboard Serial Port 5 Serial Port 3 Use IRQ Onboard Serial Port 6 Serial Port 4 Use IRQ Onboard Serial Port 7 Serial Port 7 Use IRQ Onboard Serial Port 8 Serial Port 8 Use IRQ Onboard Serial Port 9 Serial Port 9 Use IRQ Onboard Serial Port A Serial Port A Use IRQ	[ 180] [ 180] [ 1RQ5] [ 210] [ 1RQ7] [ 220] [ 1RQ10] [ 280] [ 1RQ11] [ 290] [ 1RQ5] [ 300] [ 1RQ7] [ 310] [ 1RQ10] [ 320] [ 1RQ11]	Menu Level
†↓++:Move Enter:Select + F5: Previous Values	✓-✓PU/PD:Value F10:Save F6: Fail-Safe Defaults	ESC:Exit F1:General Help F7: Optimized Defaults