



User Manual

BP-120

PC BOX

Chapter I: Overview

1 Dear value customers:

Thank you for purchasing the EC LINE products; we are committed to continuously maintenance the product quality and providing better after-sales service. In order to take full advantage of our devices, we recommend read through this manual before the driver installation.

1.1 Safety Information

BP-120 is fully compliance with the relevant requirements of the national standard GB/4943-2011 IT equipment security. Make sure the electricity meets the power requirements (such as voltage, frequency) before installation; and the grounding of the power outlet is running properly. Lightning may damage the product, unplug the network cable, power cable or any other conductors during lightning storms.

- ✧ Do not unplug the components and connections (except for the USB device) when the power is on.
- ✧ Do not open the cabinet of the product by a non-professional technician.
- ✧ Do not leave any item or liquid inside the product; do not place any objects into the ventilation holes, it may cause short-circuit of the internal components and may cause fire or electric shock.
- ✧ In accordance with the relevant explanation in national standards GB/T9813-2000 microcomputers general specification. After the computer is below the temperature of 10 ° C of environment storage, please place the machine in room temperature (10-35 ° C) conditions for more than two hours to avoid damage from low temperature. In the meantime, please do not remove the packaging and allow the computer to restore the natural temperature, and avoid heating up too fast to cause the computer to generate the occurrence of frost and condensation that might bring electrical damage.
- ✧ Strict compliance with the electrical appliance standard;
- ✧ Safe use voltage range: 100V ~ 240V & 50Hz/60Hz;

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- ✧ Verify that the power outlet is available to connect to a reliable ground;
 - ✧ Keep the device clean, dry, away from dust, moisture and direct sunlight;
 - ✧ Do not share the same power outlet with high-power consumption electrical devices, keep distance from high level magnetic interference;
 - ✧ When not using for a long time, please unplug the power supply system;
 - ✧ Do not use sharp points, draw, cut the touch screen to ensure the normal use of it;
 - ✧ Switch off the power supply before plug / unplug the communication cable or connect to an external device;
 - ✧ Non-professional and technical personnel is not allowed to open the machine, otherwise take upon the consequences;

Whenever the following occurs:

- ✧ Liquid penetrate into the body of the PC-BOX
- ✧ PC-BOX accidental damage
- ✧ PC-BOX produces a burning smell

Disconnect the power supply immediately, unplug the power cord and contact a qualified service technician to do service.

1.2 Electromagnetic Compatibility Statement:

BP-120 is fully compliance with the relevant requirements of the national standards (GB/T26246-2010) “The limits and measurement methods of radio disturbance characteristics of information technology equipment” for Class B products.

BP-120 is fully compliance with the relevant requirements of the People's Republic of China's national standards of (GB9254-2008) “Electromagnetic Compatibility Limits for harmonic current emission limits” for Class B products.

Chapter II: Installation Guide

2.1 Appearance of BP-120 PC BOX:



2.2 The Rear and Front Panel I/O Signs and Description:

A row of the external device connection interface is located at the rear and front panel, details are as below:

Rear Panel I/O Description

NO	Description	NO	Description
1	COM1-4	6	MS*1
2	USB2.0*4	7	HDMI*1
3	LAN*1	8	RJ11*1
4	VGA*1	9	Antenna *1
5	KB*1	10	DC IN*1

Front Panel I/O Description

NO	Description	NO	Description
1	PSON1*1	6	LINE *1
2	PSON2*1	7	MIC*1
3	RESET*1	8	LED-SW*1
4	USB2.0*1	9	LED-HDD *1
5	USB3.0*1	10	LED-PW*1

2.3 Positioning of BP-120 PC BOX can be horizontal or vertical to make the operation more humane.

BP-120 is provide flexible installation space which is able to be manually adjust to 0 degrees or 90 degrees. It can be fulfill different environment.

Chapter III: CMOS Configuration

3.1 How to load and exit the CMOS?

- ✧ Load the CMOS - boot up the BP-120 then press “Del”.



3.2 Exit the CMOS

- ✧ Press “F10” >> Save configuration and reset
- ✧ Press “ESC” >> Quit without saving
- ✧ Press “Ctrl”+”Alt”+”Del” at the same time >> Quit without saving (Note)

Note: Data may lost for this operation

3.3 Introduction for CMOS

Main: Able to see the configuration of the PC and configure the time and date;

Advanced: Advanced features setting on the BIOS

- ✧ ACPI power management Settings
- ✧ CPU Configuration
- ✧ SATA Configuration
- ✧ Info Report Configuration
- ✧ USB Configuration
- ✧ Super IO Configuration
- ✧ CPU PPM Configuration

Chipset: Advanced setting for chipset

- ✧ South Bridge Configuration
- ✧ North Bridge Configuration

Boot: Start up Settings

Security: Security Setting

Save & Exit: Save the modified settings and exit the BIOS

3.4 Choose the operation system before start up

Restart the terminal, or turn on if it's already shut down. As soon as you see the manufacturer's logo, press "Delete" to enter the BIOS setup utility.

- ✧ Windows7 (x86/x64) – Select Windows 7 (default setting);
- ✧ Windows8/10 (x86/x64) – Select Windows 8.x
- ✧ Linux/Android (x86/x64) – Select Linux

Chapter IV: Common Faults and Exclusion

4.1 Doesn't boot up

Whenever the light on the front panel light are not on, "check" the validity of the power adapter, and connect with device is normal;
The front panel lights "reboot" moment, equipment whether there are abnormal alarm; A voice alarm, please refer to the AMI BIOS buzzer alarm prompt; No alarm sound, please replace the memory.

4.2 Couldn't install the system

Check the "Boot" page under the CMOS before set up the computer, save and exit after setup;
Format the hard disk before install the operation system.

4.3 No display (VGA / HDMI)

- ✧ Check the setting;
- ✧ Check the VGA / HDMI cable.

Manufacturer: EC LINE

Thank you very much for using EC Line product

For service, please contact service@ecline.com.hk

www.eclinepos.com