

Intended Use

The EM PRO mini is a personal computer designed for office and workshop environments.

Unpacking

Check the packaging for damage and inform us if it is not in order. Also make sure that your shipment is complete and contains the items listed on the delivery note. Check the device for possible damage before use.

Switches and connectors



On/Off⁽¹⁾ - press the power button 1x to turn the computer on or off. Press and hold it for more than 4 seconds to force a power off.

Attention: Data loss is possible.

USB-A 3.0⁽²⁾⁽⁶⁾ - connection for USB-A devices.

Audio⁽³⁾ - 3.5 mm MIC in/headphone output

MicroSD⁽⁴⁾ - to lock the card, slide it

fully into the slot with the connector faces up until you hear a click. To remove it, push the card inward first.

Mini DisplayPort⁽⁵⁾ - transmits picture and sound to a monitor. With an adapter cable (mDP to DP or mDP to HDMI) DisplayPort and HDMI monitors can be used.

RJ45 LAN⁽⁷⁾ - 10/100/1000 Mbit/s Ethernet for data exchange between devices on a local area network.

Power⁽⁸⁾ - power supply: Min. 8 V / Max. 32 V (DC).

Mating connector: Nexus 2300 series, 3.00 mm Micro MF package with lock.

Order number: 2300P04XXX | Pin1/2 = Ground, Pin3 = DC+, Pin4= PVIN detection. Pin 3 and Pin 4 must be always connected to the same power supply! For operation a power supply with 90W or more is necessary.

RS232⁽⁹⁾ - serial interface on a 9-pin standard D-sub connector.

Connect and power up the system / Operation

Connect the EM Pro mini personal computer to peripheral devices such as monitor, mouse, keyboard and others. When all the necessary devices are connected, please connect the power supply.



Before commissioning, we recommend connecting or plugging the Monitor, USB keyboard and mouse, network cable (optional), MicroSD card, DC power supply. Other plug & play devices can be connected after commissioning.

Press the power button to switch on the system. If all voltages in the system are correct, the power button and the power LED light up green.

If an operating system is installed, it will now be loaded. An operating system installation can be done with all common installation media like USB flash drive, USB DVD drive or remote network boot. The BIOS startup sequence must be adjusted accordingly. To enter the BIOS setup, press the "Del" key immediately after switching on. To make the appropriate BIOS settings, please refer to the EM PRO mini manual.

To switch off / shut down please read the manual of the operating system.

Software

Supported operating systems are: Microsoft® Windows® 10, Microsoft® Windows® 10 IoT Enterprise and Linux Ubuntu 18.04 LTS.

Support communication

When communicating with product support about your EM PRO Mini, always include the system's identification number and serial number. These can be found on the bottom of the unit.



Operating and installation instructions

Detailed operating and installation instructions can be found at:

<https://www.eepd.de/en/em-systems/professional-it/>

General Notes

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Life Support Applications

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Warranty

The warranty and/or guarantee conditions according to the current terms and conditions of E.E.P.D. GmbH apply.

Reshipment

If you return the BoxPC system to E.E.P.D. GmbH please remove all connections and peripheral equipment. Protect the unit with a suitable packaging, preferably use the original packaging.

Packaging

The BoxPC system is in a protective package to avoid damage during transport. This protective package should be recycled in an environmentally friendly way after use.

Disposal of Device

At the end of the lifetime please dispose and/or recycle the components of the device accordingly.

Technical Support

For technical information about hardware and software please contact: support@eepd.de



The product generates considerable heat. The housing transports this heat to the environment and thus becomes hot. Take care if you touch the housing as this may cause burns! Please follow all safety instructions at the installation site. Make sure that no or only necessary cables are connected to the BoxPC during installation.



The BoxPC operates exclusively within the specified DC voltage range. Repair work should only be made by an authorized and certified specialty retailer or by the manufacturer's customer service. Do not open the device to avoid damage. Modifications that have not been approved by the manufacturer void the warranty. Dust, dirt, moisture, and extreme temperatures may significantly impair proper operation.



The BoxPC consist of a compact, robust metal housing with ventilation holes. It is equipped with an automated fan. To ensure sufficient heat dissipation, never cover the ventilation holes of the case. Do not place any objects onto the device.

