

ROC254A

19" Rackmount Fanless Computer
with Intel® Xeon D-1541, 1 x VGA,
2 x LAN, 1 x IPMI, 6 x USB, 220V AC-in,
operating Temperature -5~+50°C

Safety information

Electrical safety

- To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.
- When adding or removing devices to or from the system, ensure that the power cables for the devices are unplugged before the signal cables are connected. If possible, disconnect all power cables from the existing system before you add a device.
- Before connecting or removing signal cables from the motherboard, ensure that all power cables are unplugged.
- Seek professional assistance before using an adapter or extension cord. These devices could interrupt the grounding circuit.
- Make sure that your power supply is set to the correct voltage in your area.
- If you are not sure about the voltage of the electrical outlet you are using, contact your local power company.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your local distributor.

Operation safety

- Before installing the motherboard and adding devices on it, carefully read all the manuals that came with the package.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- To avoid short circuits, keep paper clips, screws, and staples away from connectors, slots, sockets and circuitry.
- Avoid dust, humidity, and temperature extremes. Do not place the product in any area where it may become wet.
- Place the product on a stable surface.
- If you encounter any technical problems with the product, contact your local distributor

Statement

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- All product specifications are subject to change without prior notice

Revision History

Revision	Date (yyyy/mm/dd)	Changes
Version 1.0	2019/03/27	Initial release

Packing list

- ROC254A Fanless Rugged System
- CD (Driver + Quick Installation Guide)
- Screw for fixing Bracket Ear

Ordering information

Model Number	Description
ROC254A	19" Rackmount Fanless Computer with Intel® Xeon D-1541, 1 x VGA, 2 x LAN, 1 x IPMI, 6 x USB, 220V AC-in, operating Temperature -5~+50°C



If any of the above items is damaged or missing, please contact your local distributor.

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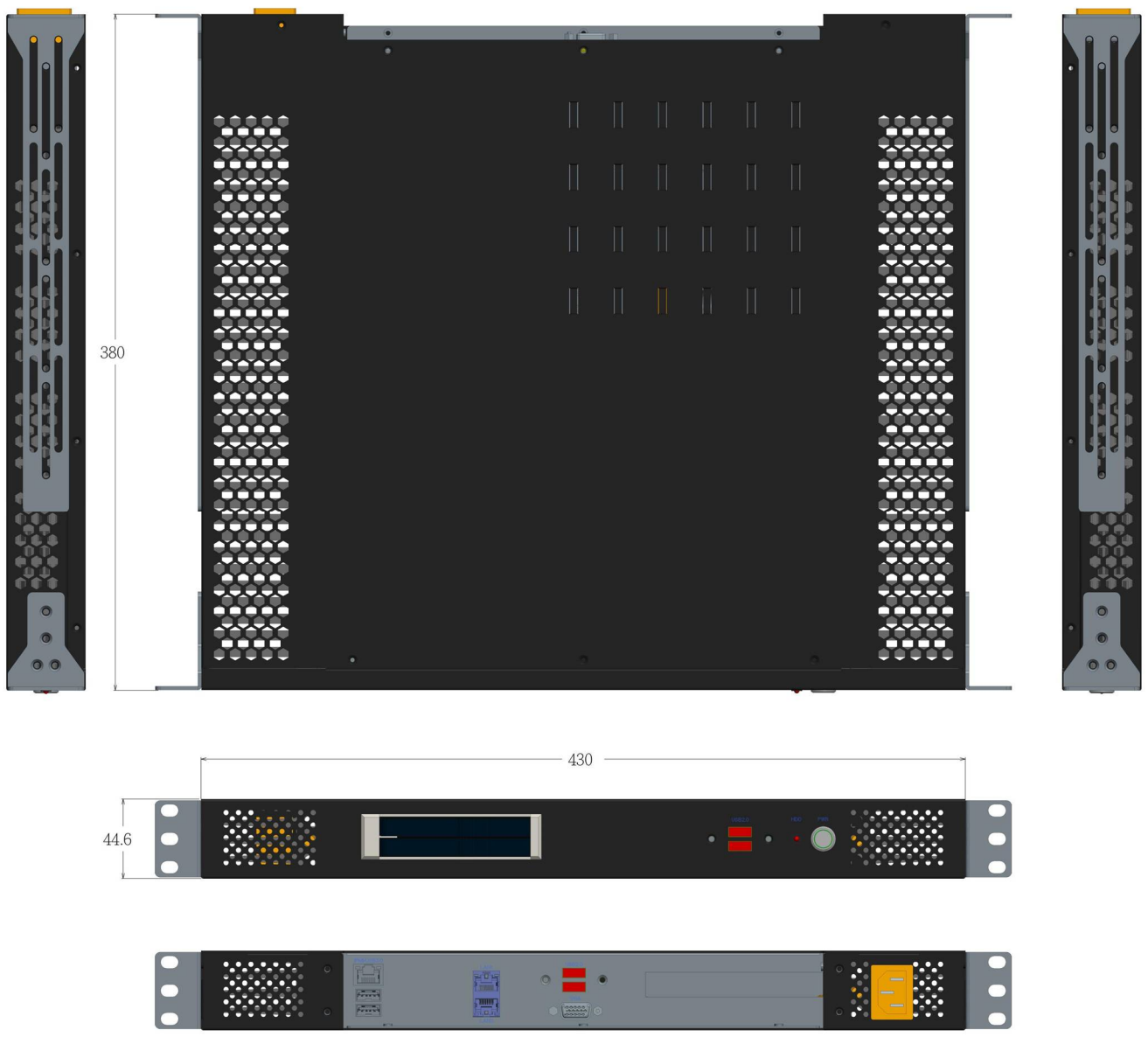
Chapter 1: Product Introduction

1.1 Key Features

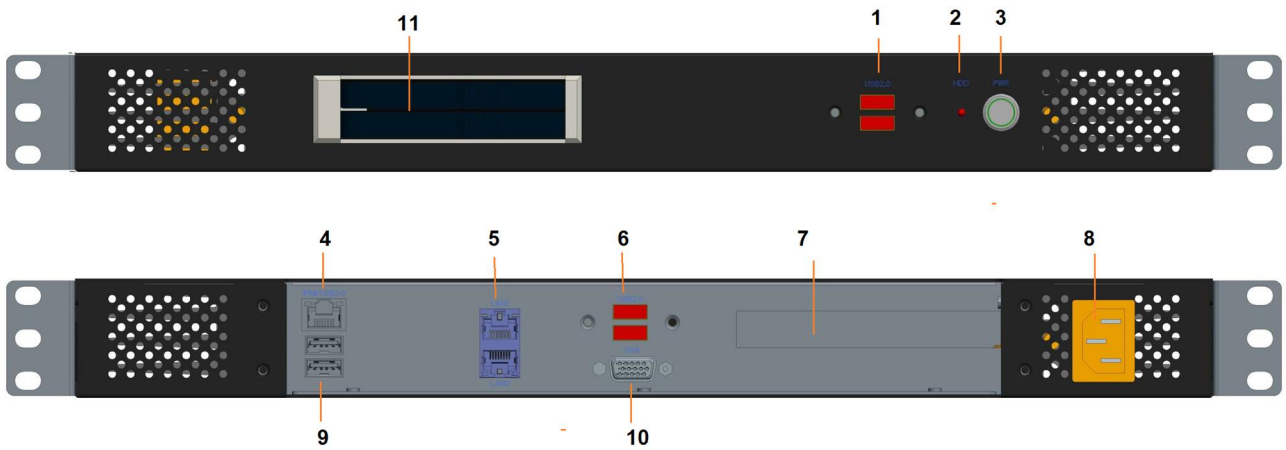
System	
CPU	Intel® Xeon® Processor D-1541 processor (12M SmartCache, 8 Cores/16 Threads, Base Frequency 2.1 GHz; Max Turbo Frequency 2.7 GHz)
Memory Type	Up to 128GB Registered ECC RDIMM, DDR4-2133MHz Up to 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots
BIOS	AMI® BIOS
Storage Device	2 SATA SSD Drive Bay
Front I/O	
HDD LED	1 x Red LED
Power Button	1 x Power Button with LED backlight
USB	2 x USB 2.0
SSD	2 x Easy swappable Drive Bay
Rear I/O	
VGA	2
COM	1 x RS232
USB	2 x USB 3.0, 1 x USB 2.0
IPMP	1
Ethernet	2 x RJ45
Expansion Slot	1 x PCIe x16
Mechanical & Environment	
Construction	SECC chassis with fanless design
Power Requirements	220V AC-in
Dimension (W x H x D)	430 x 44.6 x 380mm (16.9" x 1.75" x 14.96")
Operating Temp.	-5 to 50°C (ambient with air flow)
Storage Temp.	-40 to 85°C
Relative Humidity	5% to 95%, non-condensing

* Specifications are subject to change without notice*

1.2 Dimensions



1.3 Panel Component



1	2 x USB 2.0
2	HDD LED
3	Power Button w/ Indicator LED
4	IPMI
5	2 x RJ45 (Gigabit Ethernet)
6	2 x USB 2.0
7	1 x PCIe16 Expansion Slot
8	AC Inlet
9	2 x USB 3.0
10	1 x COM (RS232)
11	2 x SSD swappable Tray