



### Specifications

System Mainboard	MBE320 with Intel® CPU onboard
CPU Type	11th Gen Intel® Core™ i7/i5/i3 Processors
System Speed	Up to 4.4GHz
Memory	2x DDR4 SO-DIMM, Max. 64GB
Front Panel External I/O	2x Antenna hole for WLAN/4G/5G module
Rear Panel External I/O	1x 2-pin DC-in terminal block for 24V (±10%) 1x 2-pin terminal block for remote power button 1x Power Button 3x RJ45 2.5G Ethernet port 2x DisplayPort connector 3x USB 3.1 ports 3x USB 2.0 ports 1x RS232/422/485 port for COM#1 1x RS232 port for COM#2 1x Audio jack for Line-out 1x Red LED for HDD/SSD, 1x Green LED for Power 1x Blue LED & 1 x White LED programmable
Expansion Slots	1x M.2 2042 E-key (USB2.0 & PCI-E) 1x M.2 3052 B-key (USB2.0 & 3.0) 1x PCI-E (x16) slot 1x PCI-E (x4) slot
Storage	1x 2.5" HDD/SSD (external-accessible)
Construction	Aluminum & steel
Chassis Color	Silver & Gray
Mounting	Desktop or wall mounting (wall mount kit included) Side mounting DIN-rail mounting (optional)
Dimensions	275mm (W) x 140mm (D) x 117mm (H) 10.83" (W) x 5.51" (D) x 4.61" (H)
Weight	3.5kg
Operating Temperature	-10°C to 60°C (14°F~140°F) *with air flow -10°C to 50°C (14°F to 122°F) without air flow
Storage Temperature	-20°C to 80°C (-4°F to 176°F)
Relative Humidity	5~90% @ 45°C, (non-condensing)
Vibration	Non-Operating: 1.0 grms / 5~500Hz / random operation Operating: 0.25 grms / 5~500Hz / random operation
Shock	Operating: 20 g / 11 ms Non-operating: 40 g / 11 ms
Certification	CE / LVD / FCC Class B

### Features

- Compact fanless system with for IBASE MBE320 customized board
- 11th Gen Intel® Core™ i7/i5/i3 Processors
- Front removable drive bay for HDD/SSD
- 1x PCI-E (x8) + 1x PCI-E (x4) expansion slot
- Over/Under/Reverse voltage protection
- Supports DIN-rail mount & wall mount
- TPM 2.0

### Ordering Information

AMS322-i7M	Fanless System with MBE320-i7, w/ Intel® Core™ i7-1185G7E Processor, 2x COM, 1 x Riser card for 1x PCI-E (x8) + 1x PCI-E (x4) expansion slots, without memory /storage /power adaptor
AMS322-i5M	Fanless System with MBE320-i5, w/ Intel® Core™ i5-1145G7E Processor, 2x COM, 1 x Riser card for 1x PCI-E (x8) + 1x PCI-E (x4) expansion slots, without memory /storage /power adaptor
AMS322-i3M	Fanless System with MBE320-i3, w/ Intel® Core™ i3-1115G4E Processor, 2x COM, 1 x Riser card for 1x PCI-E (x8) + 1x PCI-E (x4) expansion slots, without memory /storage /power adaptor
Optional Accessories	180W (24V @7.5A) power adaptor, bare wire type, IEC62368-1/EN62368-1 compatible WiFi/BT antenna kit 5G/4G/LTE antenna kit GPS antenna kit DIN rail bracket

### Dimensions and Drawing

