



Rear I/O

### Features

- 9th/8th Gen Intel® Core™ Processor (35W TDP)
- 2x DDR4 SO-DIMM, Max. 32GB
- 4x Gigabit LAN
- 512k SRAM on board
- 2x expansion slots
- 3x DisplayPort outputs
- 2.5" drive bays (supports RAID 0/1)



MB211

### Specifications

System Mainboard	Customized board
CPU Type	9th/8th Gen Intel® Core™ Processor
System Speed	Up to 4.0GHz
Memory	2x 4GB DDR4-2666/2400 SO-DIMM
Front Panel External I/O	2x RS232 (Optional COM port cable)
Rear Panel External I/O	1x RS232/RS422/RS485 1x RS232 (Optional COM port cable kit) 1x Power On/Off switch 3x DisplayPort (1x DP via pin-header) 4x USB 2.0 4x RJ45 (Gigabit Ethernet) 4x USB 3.1 1x Line-Out 1x DC input (3-pin Phoenix connector with lock)
Expansion Slots	ABP-IP701: 1x PCI-E(x16) + 1x PCI-E(x4) ABP-IP702: 1x PCI + 1x PCI-E(x16) ABP-IP703: 2x PCI
Storage	2x 2.5" SATA HDD or SSD (Optional 2nd drive bay bracket)
Construction	SGCC
Chassis Color	Silver
Mounting	Desktop or wall mount
Dimensions	297.4mm (W) x 266.2mm(D) x 78.5mm (H) 11.71" (W) x 10.48" (D) x 3.09" (H)
Weight	5.9kg
Operating Temperature	0°C~55°C (32°F~131°F)

Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10~95%, non-condensing@60 degree C
Vibration	Operating: 3Grms / 5~500Hz
Shock	Operating: 20 g / 11 ms Non-operating: 40 g / 11 ms
Certification	CE/FCC Class-B/ LVDS (Prescan only)

### Ordering Information

AMS210	Box PC Controller with Intel® Core™ i7-9700TE Processor CPU with 8GB DDR4 SO-DIMM, 2.5" 500GB SATA HDD/SSD and 1x PCI + 1x PCI-E(x16) expansion slots
AMS210M	Box PC Controller MB211 w/o CPU / memory/ HDD / riser card / power adaptor, desktop stand & mounting brackets (RoHS2)
270W Power Adaptor Kit (optional)	270W (24V@11.25A) power kit compatible with IEC62368-1/EN62368-1

1 AGS Series

2 AMS Series

3 AMI Series

4 CMI Series

5 ASB Series

6 CSB Series

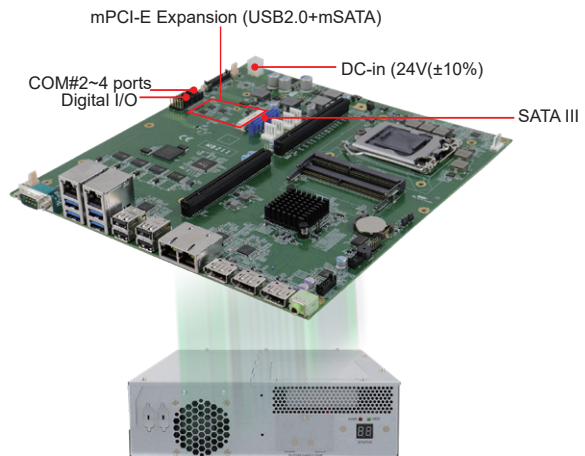
## Recommended Processor List

Model	TDP	Base Freq	Turbo Freq	Cache	Cores / Threads
i7-9700TE	35W	1.8 GHz	3.8 GHz	12M	8/8
i7-8700T	35W	2.4 GHz	4.0 GHz	12M	6/12
i5-9500TE	35W	2.2 GHz	3.6 GHz	9M	6/6
i5-8500T	35W	2.1 GHz	3.5 GHz	9M	6/6
i3-9100TE	35W	2.2 GHz	3.2 GHz	6M	4/4
i3-8100T	35W	3.1 GHz	N/A	6M	4/4
G5400T	35W	3.1 GHz	N/A	4M	2/4
G4900T	35W	2.9 GHz	N/A	2M	2/2

## Inside view of the system



### MB211 Digital IO



## Dimensions and Drawing

