



## Features

- Fanless system with IBASE MB210 customized board
- Supports 4th Gen Intel® Core™ i7/i5/i3 processors
- Supports three independent display output capability
- Supports 2x 2.5" SATA HDD
- 1x Isolated RS422/485 port (1kv surge protection)
- 12V~24V DC wide-range voltage input
- Over/Uuder/Reverse voltage protection
- iSMART, iAMT(9.0)

## Specifications

System Mainboard	MB210AF with Intel® Q87 PCH MB210EF with Intel® H81 PCH
CPU Type	4th Gen Intel® Core™ i7/i5/i3 desktop processors
System Speed	Up to 3.1GHz
Memory	2x 2GB DDR3-1600 SO-DIMM, Max. 16GB
Construction	Aluminum & steel
Chassis Color	Silver (aluminum)
Front Panel External I/O	1x DVI-D + 1x VGA 1x Audio jack for MIC-in / Line-out 2x USB 3.0 ports (MB210AF only) 2x USB 2.0 ports (MB210EF only) 2x Antenna hole 1x Red HDD LED 1x Power button with green LED indicator 1x CFAST socket 1x 2-pin terminal block for external power button
Rear Panel External I/O	1x RS422/485 port with isolation protection for COM#1 1x RS232 port for COM#2 2x RS232 port for COM#3/COM#4 1x DisplayPort + HDMI connector 1x RJ45 Gigabit Ethernet port + 2x USB 3.0 ports 1x RJ45 Gigabit Ethernet port + 2x USB 2.0 ports 1x 3-pin DC-in terminal block type for 12~24V 2x Antenna hole
Expansion slots	2x Mini PCI-E sockets + 1x CFAST slot
Expansion slots & I/O for optional BOX	1x PCI-E(x8) slot (default) 1x PCI-E(x1) slot (default) 2x RS232 ports for COM5/COM6 (TX/RX signal only) 2x USB 2.0 ports
Storage	2x 2.5" SSD + 1x mSATA
Mounting	Desktop or wall mount (wall mount kit included)
Dimensions	210mm (W) x 265mm (D) x 134mm (H) 8.27" (W) x 10.43" (D) x 5.28" (H)
Weight	4.3kg
Operating Temperature	-10°C~ 45°C (14°F~113°F) (for 45W CPU) -10°C~ 50°C (14°F~122°F) (for 35W CPU)
Storage Temperature	-20°C ~ 80°C (-4°F~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 : 20G/ 11ms ; Non-Operating : 40G/ 11ms (MIL-STD-810G)
Certification	CE / LVD / FCC Class B

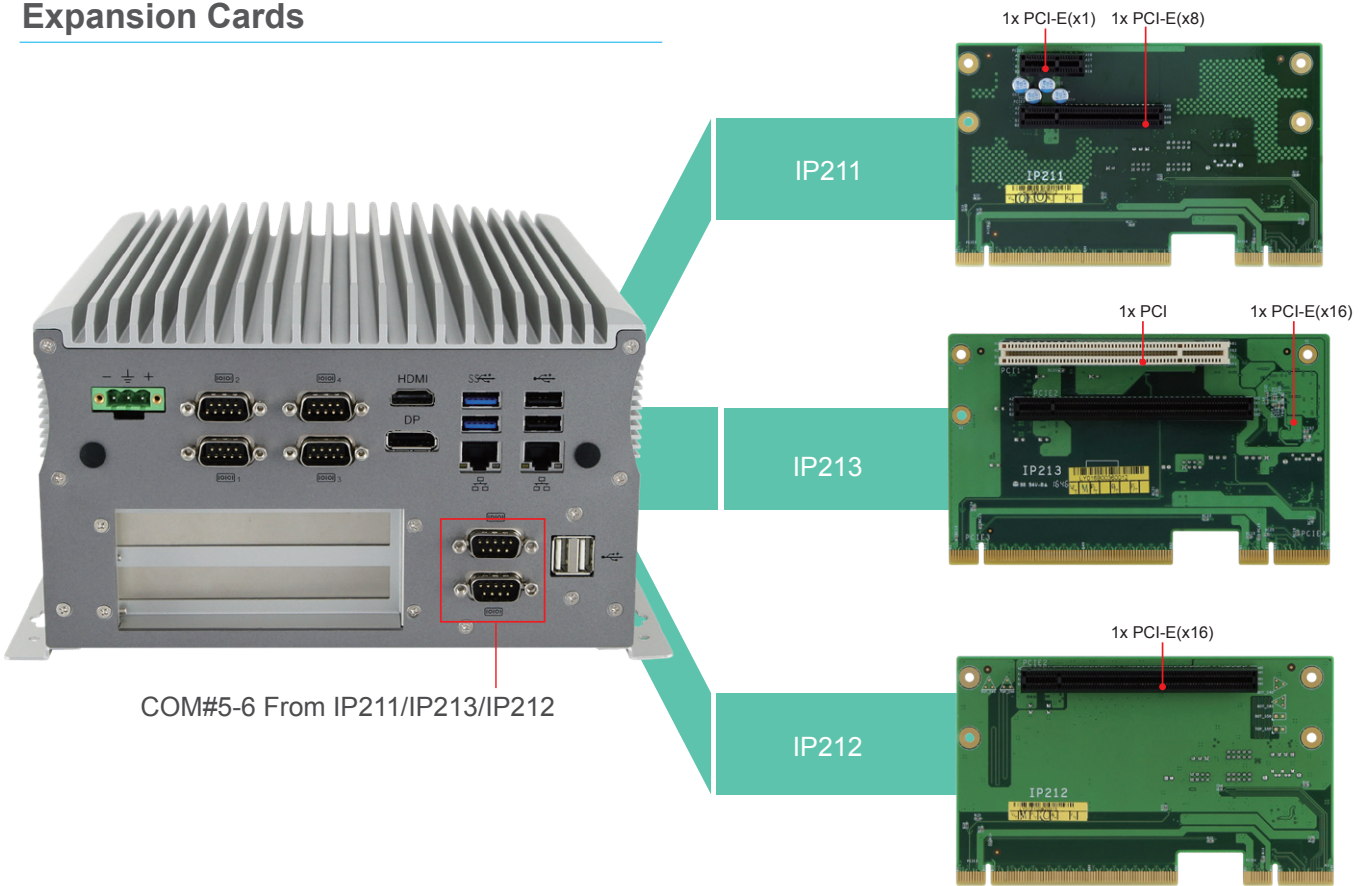
## Ordering Information

AMI210AF-PE	Fanless box system with MB210AF, w/ Intel® Core™ i7/i5/i3 desktop processor, 6x COM, 2x 2GB memory, 1x 2.5" 64GB MLC industrial-grade SSD, 1x PCI-E(x8) + 1x PCI-E(x1) expansion slots, w/o power adaptor
AMI210EF-PE	Fanless box system with MB210EF, w/ Intel® Core™ i7/i5/i3 desktop processor, 6x COM, 2x 2GB memory, 1x 2.5" 64GB MLC industrial-grade SSD, 1x PCI-E(x8) + 1x PCI-E(x1) expansion slots, w/o power adaptor
150W power adaptor (Optional)	150W (12V@12.5A) power adaptor, bare wire type

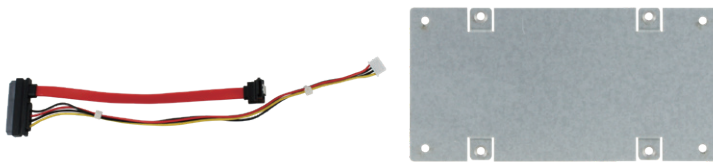
## Recommended Processor list

Model	TDP	Base Freq	Turbo Freq	Cache	Platform
i7-4770TE	45W	2.3 GHz	3.3 GHz	8M	Haswell
i5-4570TE	35W	2.7 GHz	3.3 GHz	4M	Haswell
i5-4590T	35W	2.0 GHz	3.0GHz	6M	Haswell Refresh
i3-4350T	35W	3.1 GHz	N/A	4M	Haswell Refresh
i3-4330TE	35W	2.4 GHz	N/A	4M	Haswell
G3320TE	35W	2.3 GHz	N/A	3M	Haswell
G1820TE	35W	2.2 GHz	N/A	2M	Haswell

## Expansion Cards



## Optional Items



2<sup>nd</sup> 2.5" SATA SSD kit  
(P/N: SC2AMI210--A10100P)



12V / 150W power adaptor  
(P/N: A005PS150W0314000P)

## Dimensions and Drawing

