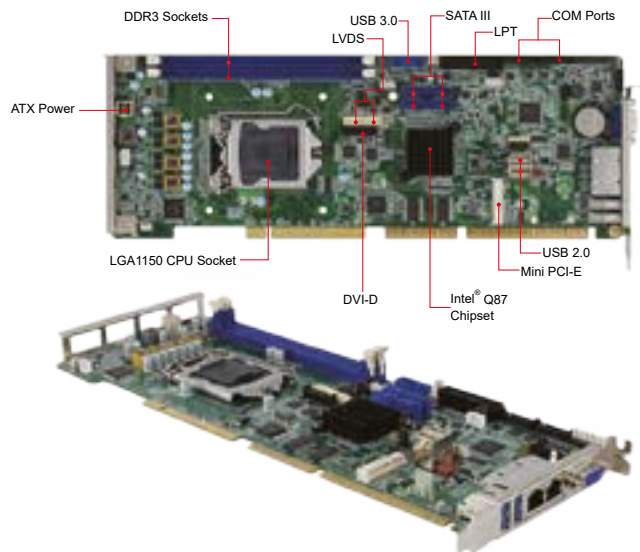


PICMG1.0 Board, Full-Size



Features

- 4th Gen Intel® Core™ i7/i5/i3 / Pentium® / Celeron® processor, up to 4.0 GHz
- 2x DDR3 / DDR3L-1600 DIMM, Max. 16GB, ECC
- Intel® processor integrated graphics, supports VGA, DVI-D
- 24-bit dual-channel LVDS
- 2x Intel® PCI-E Gigabit LAN
- 4x USB 3.0, 4x USB 2.0, 4x COM, 4x SATA III
- 1x Mini PCI-E slot (supports mSATA)
- Watchdog timer, Digital I/O, iSMART, TPM 2.0, iAMT



Specifications

CPU Socket	LGA1150
CPU	4th Gen Intel® Core™ i7/i5/i3 / Pentium® / Celeron® processor
PCH	IB981AF-C226: Intel® C226 PCH IB981AF: Intel® Q87 PCH IB981F: Intel® H81 PCH
Memory Types	2x DDR3/ DDR3L-1600 DIMM, Max 16GB (ECC compatible)
BIOS	AMI
Watchdog Timer	256 levels
Storage Device Interface	N/A
H/W Monitor	Yes
Expansion Slots	N/A
Mini Type Slots	1x Mini PCI-E
Graphics Controller	4th Gen Intel® Core™ i7/i5/i3 processors integrated graphics
Video Output	Supports VGA, DVI-D 24-bit dual-channel LVDS interface
Ethernet	IB981AF: Intel® I217LM Gigabit LAN PHY IB981F: Intel® I217V Gigabit LAN PHY Intel® I211AT PCI-E Gigabit LAN(as 2nd LAN)
I/O Chip	Fintek F81846AD-I
Serial Port	3x RS232 1x RS232/422/485
USB 2.0	4x USB2.0 (2x via pin header, 2x via onboard USB connector)
USB 3.0	4x USB3.0 (IB981AF-C236/ IB981AF) (2x rear I/O, 2x via pin header) 2x USB3.0 rear I/O (IB981F)
Serial ATA	IB981AF: 4x SATA III IB981F: 2x SATA III
Audio	Intel® Q87 PCH built-in HD audio controller + Realtek ALC662 w/ 5.1 channel
TPM	2.0 (IB981AF-C236/ IB981AF)
Others	Digital I/O(4-in/4-out), iSMART RAID, TPM (2.0), iAMT [IB981AF only]
Dimensions (L x W)	338mm x 126mm (13.31" x 4.96")

Power Consumption	Intel® i7-4770S, 3.10GHz w/ 2x DDR3-1600 8GB +12V: 3.34A, +5V: 2.04A +5VBS: 0.25A, +3.3V: 0.03A
Operating Temperature	0°C~60°C(32°F~140°F)
Storage Temperature	-20°C~80°C(-4°F~176°F)
Relative Humidity	90%(non-condensing @60°C)

Ordering Information

IB981AF-C226	LGA1150 C226 Full size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM (2.0), RAID
IB981AF	LGA1150 Q87 Full size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM (2.0), RAID
IB981F	LGA1150 H81 Full size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART

Dimensions and Drawing

