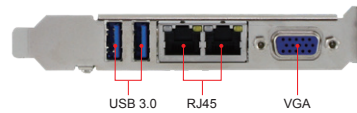


## Features

- 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	LGA1150 for 4th Gen Intel® Core™ i7/i5/i3/ Pentium® / Celeron® processor
System Memory	2x DDR3/ DDR3L-1600 DIMM, Max 16GB (ECC compatible)
System Chipset	IB981AF-C226: Intel® C226 PCH IB981AF: Intel® Q87 PCH IB981F: Intel® H81 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slots	1x Mini PCI-E
VGA Controller	4th Gen Intel® Core™ i7/i5/i3 processors integrated graphics
VGA Memory	Max. shared memory – 1024MB
Display Interface	Supports VGA, DVI-D 24-bit dual-channel LVDS interface
LAN Controller	Intel® I217LM (IB981AF) / I217V (IB981F) Gigabit LAN PHY Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN)
LAN Connector	2x RJ-45 on board
I/O Chipset	Fintek F81846AD-I
USB	2x USB 2.0 and 2x USB 3.0 on board 2x USB 2.0 and 2x USB 3.0 via pin header 1x USB 2.0 via Mini PCI-E
Serial ATA	IB981AF: 4x SATA 3.0 IB981F: 2x SATA 3.0
Audio	Intel® Q87 PCH built-in HD audio controller + Realtek ALC662 w/ 5.1 channel
Others	Digital I/O (4-in/4-out), iSMART RAID, TPM (2.0), iAMT [IB981AF only]
Dimensions	338mm x 126mm (13.31" x 4.96")
Max. Power Requirement	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

