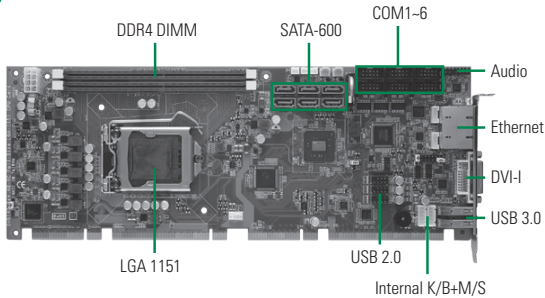


SHB140

LGA1151 6th Generation Intel® Core™ Processors PICMG 1.3 Full-size CPU Card with Intel® Q170, SATA3, USB 3.0, LAN and DVI-I

NEW



System

CPU	LGA1151 for 6th generation Intel® Core™ processor, TDP up to 65W vPro supported
System Memory	2 x 288-pin DDR4/-2133 un-buffered DIMM max. up to 32 GB
Chipset	Intel® Q170
BIOS	AMI
SSD	N/A
Watchdog Timer	225 levels, 1–255 sec.
Expansion Interface	Edge Connector A: 1 x PCIe x16, Gen. 3 Edge Connector B: 1 x PCIe x4 or 4 x PCIe x1, Gen. 2 4 x 32 bit PCI bus masters
Battery	Lithium 3V/220 mAh
Power Requirements	TBD
Size	338 x 126 mm
Board Thickness	1.6 mm
Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PS/2 keyboard 1 x PS/2 mouse 4 x RS-232 (COM2/3/4/5) 1 x RS-232/422/425 (COM1), mode selection by SW 2 x Smart fan for system Fan1/Fan2
RIO	2 x RJ-45, 1 x DVI-I, 2 x USB 3.0
SATA	6 x SATA-600 with RAID 0/1/5/10
Hardware Monitoring	Detect CPU/System temperature, voltage and fan speed
Ethernet	1st ports as 10/100/1000Mbps support WOL/RPL/PXE Boot ROM with Intel® i219LM with AMT 9.0 support 2nd port as 10/100/1000Mbps support WOL/RPL/PXE Boot ROM with Intel® i211AT
Audio	1 x HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with audio kit AX93242 (optional)
USB	10 x USB 2.0, 2 x USB 3.0
SMBus	N/A
TPM	Infineon SLB9635 for trusted platform(optional)

Features

- LGA1151 6th Generation Intel® Core™ processor
- Intel® Q170
- 2 x DDR4 un-buffered DIMM supports up to 32 GB memory
- Intel® iAMT 11& TPM (optional) supported
- PCIe Gen. 3 at 8GT/s supported
- USB 3.0, SATA3 supported

Display

Chipset	Intel® HD Graphics
Memory Size	TBD
Display Interface	1 x DVI-I

Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
593826A0000E	SATA signal cable 500 mm	1

SBC Services and Solutions

Systems on Modules

Embedded SBCs >EPIC

Embedded SBCs >3.5" Capa

Embedded SBCs >Nano-ITX

Embedded SBCs >Pico-ITX

Embedded SBCs >PC/104

Industrial Motherboards

5

Slot CPU Cards

ARM Embedded Boards

Accessories

Appendix