PCOM-B630VG

More than 2 billion people use Network service in the world. High-end server can handle more business and information. Then it can bring more business from website. Multil-Processors, Hardware-base Raid and Remote control functions are always in high-end server, but the price is also expensive. There is a new product which can help you develop high-end server with sweet price, PCOM-B630VG.

Intel® 4th Generation Core™ i7 Processor based on Type VI COM Express module with DDR3L SDRAM, VGA, LVDS, Gigabit Ethernet, SATA 3.0 and USB
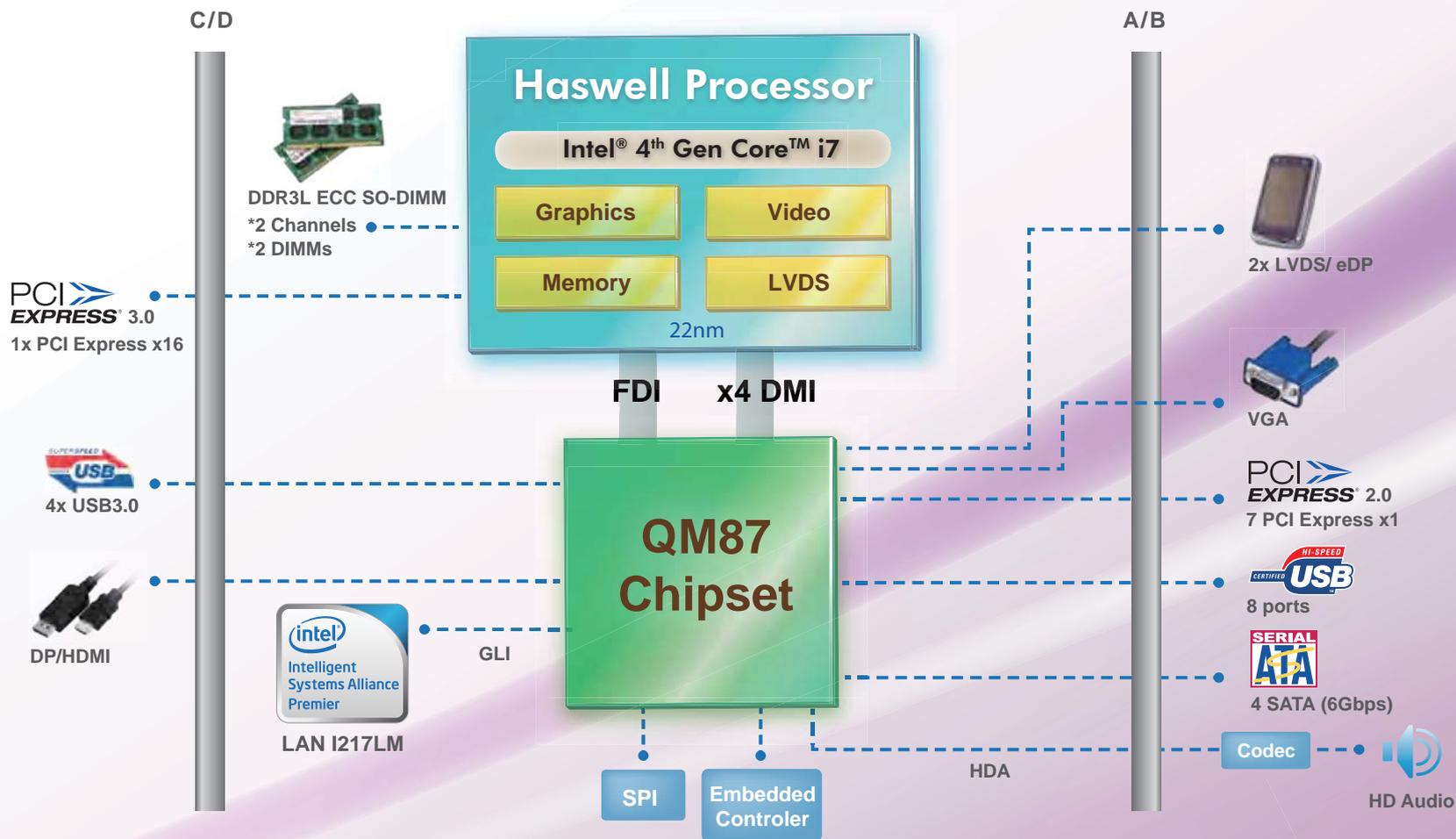
PCOM-B630VG can offer high computing power by Quad Core processor brings quad core technology and provides significant performance improvement. 6Gb/s SATA enhances performance ability. We also provide SOL, IDER, Serial over Lan and Remote control functions in PCOM-B630VG by Intel iAMT 9.0 support. Now, Mutil processor, RAID support and remote control functions are all in PCOM-B630VG. Using PCOM-B630VG to develop your high-end server is the best choice.

FEATURES

- The Intel® Shark Bay processor brings Quad-core technology and provides significant performance improvement
- The Intel® QM87 integrated GMA graphic provides better performance and variable display interfaces
- Design to comply with both socket type and BGA type Core™ i7 processor for intensive computing
- Architecture of module and carrier boards speeds up time-to-market of tailor-made equipment
- Support smart computing and power gear by cTDP (Configurable TDP)
- More Reliable, Rugged & Expandable Design

ORDERING GUIDE

AB1-3920	Shark Bay QM87, Type 6, ECC Core i7 i7-4700EQ (4C, 2.4GHz, 47watts)
AB1-3A00	Shark Bay QM87, Type 6, ECC Core i5 i5-4400E (2C, 2.7GHz, 37watts)
AB1-3A01	Shark Bay QM87, Type 6, ECC Core i5 i5-4402E (2C,1.6GHz, 25watts)
AB1-3A03	Shark Bay QM87, Type 6, ECC Core i3 i3-4100E (2C, 2.4GHz, 37watts) with MOQ
AB1-3A02	Shark Bay QM87, Type 6, ECC Core i3 i3-4102E (2C, 1.6GHz, 25watts) with MOQ

C/D

A/B

Haswell Processor

Intel® 4th Gen Core™ i7

Graphics	Video
Memory	LVDS

22nm

DDR3L ECC SO-DIMM
*2 Channels
*2 DIMMs

FDI   **x4 DMI**

PCI
EXPRESS® 3.0
1x PCI Express x16

4x USB3.0

QM87 Chipset

DP/HDMI

intel
Intelligent
Systems Alliance
Premier

LAN I217LM

GLI

SPI

Embedded
Controler

2x LVDS/ eDP

VGA

PCI
EXPRESS® 2.0
7 PCI Express x1

HI-SPEED
CERTIFIED USB
8 ports

SERIAL
ATA
4 SATA (6Gbps)

Codec

HDA

HD Audio

Processor Core

◆ Haswell Core™ (22nm) QC, DC & Uni core SKUs
◆ 6M and 3MB Shared Last Level Cache
◆ SMT: 4~8 threads/core
◆ Turbo mode

Highlights

◆ Integrated Memory Controller: 2 Channels of Native DDR3L support ECC
◆ Integrated Native PCI-E Gen 3 support 1x16, 2x8, 1x4 and 6x1 Configuration

Memory

◆ DDR3L-1333/1600
◆ 2 Channels
◆ Up to 25.6GB/s in 2ch DDR3L 1600MT/s

Platform Thermal Design Power

	i7-4700EQ	i5-4400E	i3-4102E
	47W	37W	25W
	QM87 2.7W	QM87 2.7W	QM87 2.7W
Watt	49.7W	39.7W	27.7W