PCOM-B634VG

In the time of big data, the most important business is that data analysis. Portwell provide highest CPU computing power by Intel® new Xeon® on COM-Express module. By new thermal solution, the system can keep working 24x7 with PCOM-B634. It help customer get most important information in Big data.

Intel® Pentium® D Series Processor based on Type VI Basic COM Express 2.0 module with DDR4 ECC SDRAM on Three SO-DIMM slots, VGA, HDMI, PCIe x16, 10GbE, SATA and USB
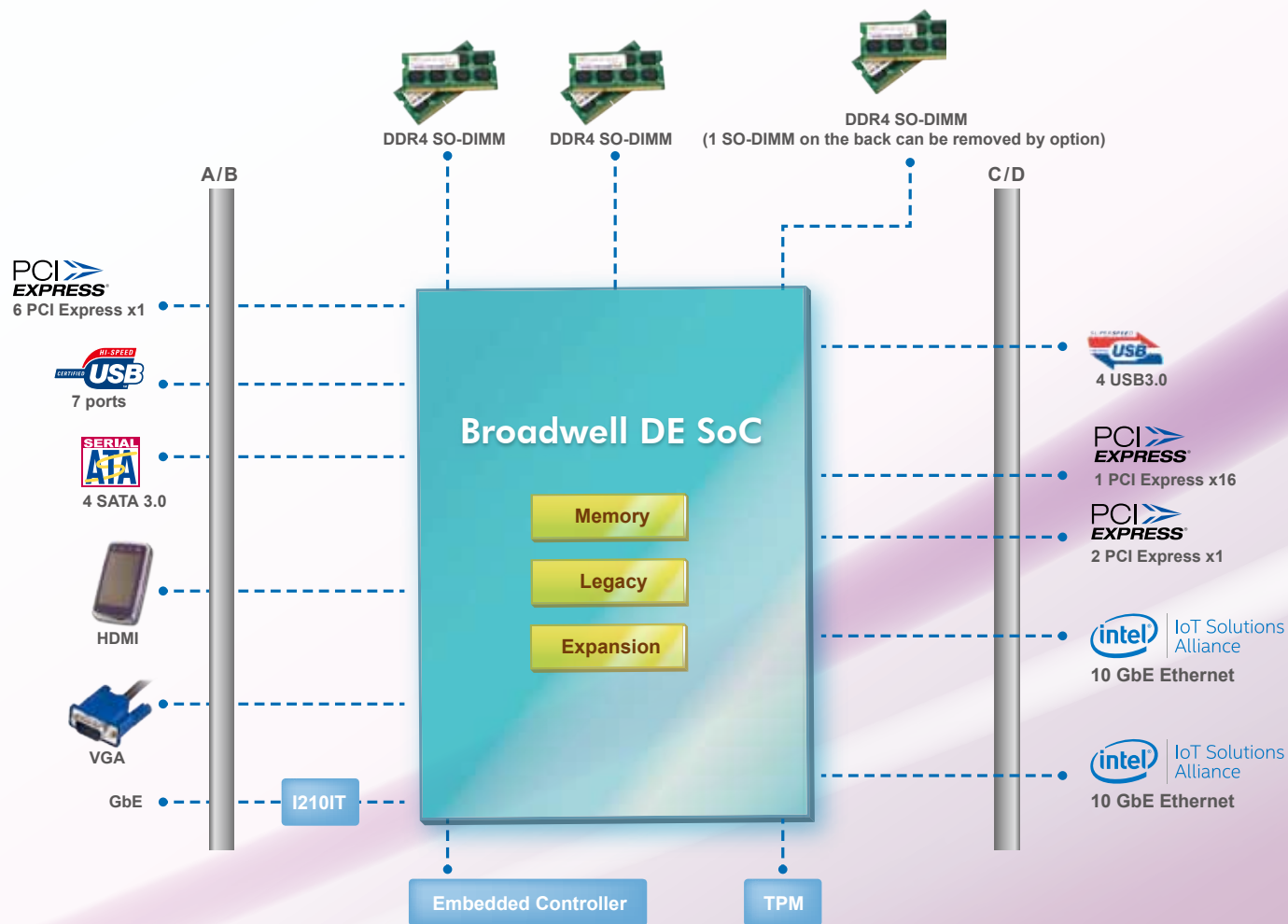
Portwell PCOM-B634VG is designed with Intel® new XEON processor with 16 CPU cores, 10GbE Ethernet KR/KR interface interface and DDR4 ECC SO-Dimm support which provide high CPU computing, excellent Ethernet performance. Extend PCIe Gen3 ports in PCOM-B634 can support high speed IO card for more application. With VGA and legacy interface support, customer can upgrate system fast and easily.

FEATURES

- Intel® Pentium® D Series Processor on 14nm process
- Support DDR4-2400MT/s ECC/non-ECC SDRAM on three SO-DIMM slots, up to 48GB
- One VGA and HDMI, 10GbE interface
- Support 7 USB 2.0, 4 USB 3.0, 4 SATA 3.0, 8 PCIE x1 Gen 2.0 and 1 PCIEx16 Gen 3.0

ORDERING GUIDE

AB1-3C91Z	PCOM-B634VG. TYPE VI. Basic Form Factor.COM ExpressModule Broadwell-DE/PCH
AB1-3E09Z	PCOM-B634VG-D1537.TYPE VI. Basic Form Factor. COM Express Module.Intel D1537/VGA/DDR4 SO-Dimm
AB1-3D98Z	PCOM-B634VG-D1517.TYPE VI. Basic Form Factor. COM Express Module.Intel D1517/VGA/DDR4 SO-Dimm
AB1-3D99Z	PCOM-B634VG-D1508.TYPE VI. Basic Form Factor. COM Express Module.Intel D1508/VGA/DDR4 SO-Dimm

Portwell

M.I.T

PCOM

PQ7

PC/104

Compliance

DDR4 SO-DIMM

DDR4 SO-DIMM

DDR4 SO-DIMM
(1 SO-DIMM on the back can be removed by option)

A / B

C / D

PCI EXPRESS
6 PCI Express x1

USB HI-SPEED CERTIFIED
7 ports

SERIAL ATA
4 SATA 3.0

HDMI

VGA

GbE

I210IT

Broadwell DE SoC

Memory

Legacy

Expansion

USB SUPERSPEED
4 USB3.0

PCI EXPRESS
1 PCI Express x16

PCI EXPRESS
2 PCI Express x1

intel | IoT Solutions Alliance
10 GbE Ethernet

intel | IoT Solutions Alliance
10 GbE Ethernet

Embedded Controller

TPM

Processor Core

◆ Intel® New Xeon®

◆ Up to 16 CPU Cores

◆ Optional for Wide-temperature

Highlights

◆ Support 10GbE XGMII

◆ Support VGA/HDMI Display

◆ Support 3 DDR4 ECC SO-Dimm slots

Memory

◆ DDR4 2400 MT/s ECC/Non-ECC SO-Dimm

◆ 2 Memory Channels

Platform Thermal Design Power

CPU	D1559	D1537	D1508
Watt	45W	35W	25W