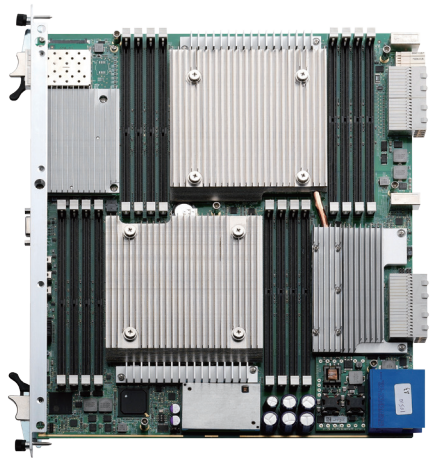
aTCA-9710

Dual Intel® Xeon® E5-2600 v3 Family 40 Gigabit Ethernet AdvancedTCA® Processor Blade

Features

- Two Intel® Xeon® processor E5-2600 v3 family (12C/24T)
- 16 memory sockets support DDR4-2133 REG/ECC VLP RDIMM up to 256 GB
- Intel® C612 PCH
- Single Intel® XL710-AM2 40GBASE-KR4 Fabric Interface Channels
- Support Intel® DPDK and Node Manager 3.0

AdvancedTCA®



Specifications

CPU / Chipset / Memory

CPU
12-Core Intel® Xeon® E5-2600 v3

Chipset
Intel® C612 PCH

Memory
16x DDR4-2133 288-pin VLP RDIMM sockets, up to 256GB

BIOS

Chip
AMI BIOS on SPI flash memory

Features
Intel® PXE pre-boot
Remote Console

I/O Interfaces

Graphics
Silicon Motion SM750, PCIe x1, up to 1920 x 1440 resolution

Ethernet
Dual 10/100/1000BASE-T Base Interface channels
Dual Intel® XL710-AM2 40GBASE-KR4 Fabric Interface channels
Dual front panel 10GBase egress ports

Storage
On-board bootable 32G mSATA flash (up to 256G)

USB
Three USB 2.0 ports on front panel
Front Panel I/O
VGA, USB1/2, LAN1/2, COM (mini-USB) 1/2

PICMG Standard

AdvancedTCA
PICMG 3.0 R3.0
PICMG 3.1 Ethernet Over PICMG 3.0, Option 9-KR

Other Features

Operating Systems
Windows Server 2012 R2, Red Hat Enterprise Linux 6, Intel® DPDK supported

Mechanical and Environmental

Form Factor: PICMG 3.0 R3.0 AdvancedTCA
Dimension: 322.25mm x 280mm x 6HP (L x W x H)
Weight: 3.5KG

Operating Temp.
0˚C to +55˚C
Storage Temp.: -40˚C to +70˚C

Humidity
5% to 95%, non-condensing

Shock
20G peak-to-peak, 11ms duration, non-operation

Vibration
Non-operating: 1.88Grms, 5-500Hz each axis
Operating: 0.5Grms, 5-500Hz each axis

Power Consumption
366W with E5-2658 V3 (105W)

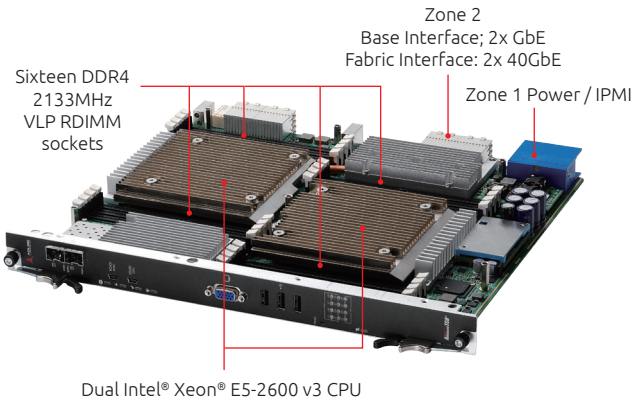
Certification
FCC, CE

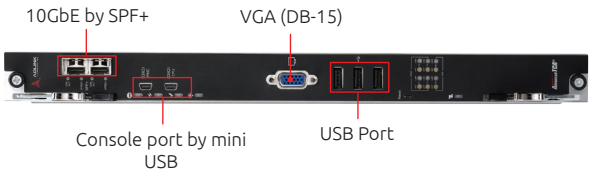
Ordering Information

- **aTCA-9710**
  Dual 12-core Intel® Xeon® E5-2658v3 2.2GHz 40GbE processor blade, 4x DDR4-2133 VLP RDIMM 16GB

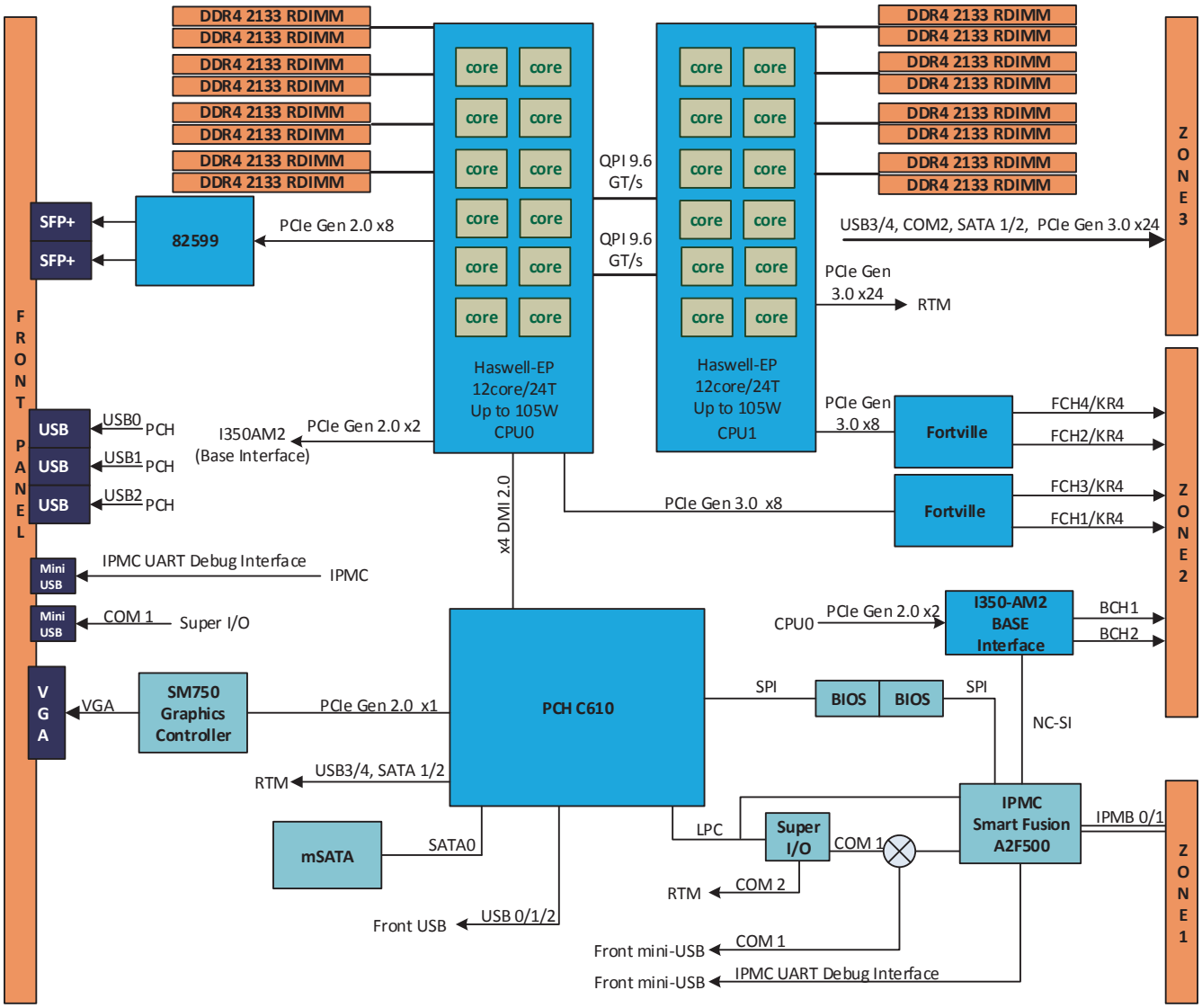
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Mechanical Layout





Functional Diagram



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Leading EDGE COMPUTING

www.adlinktech.com

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