

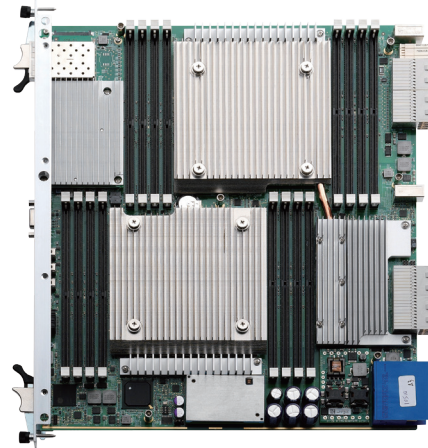
aTCA-9710

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

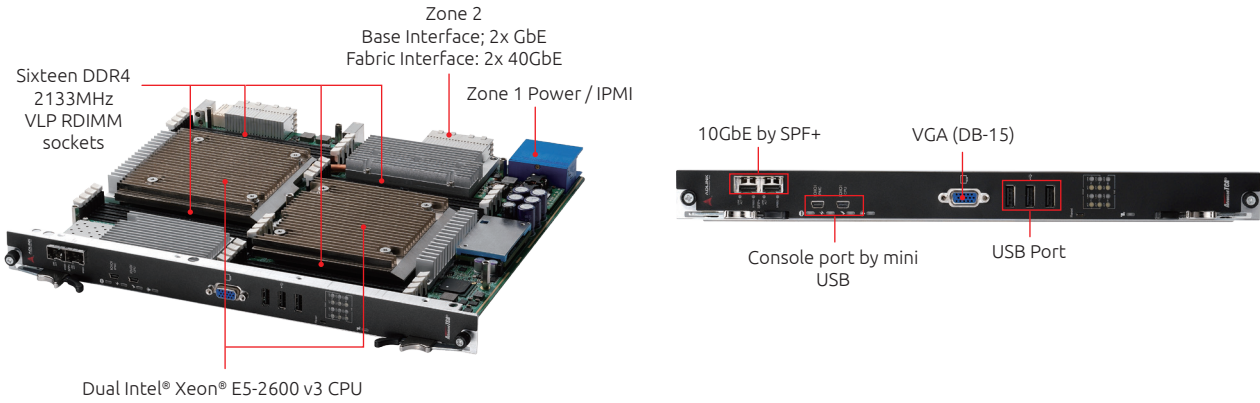
FCC, CE

Ordering Information

• aTCA-9710

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

Mechanical Layout



Functional Diagram

