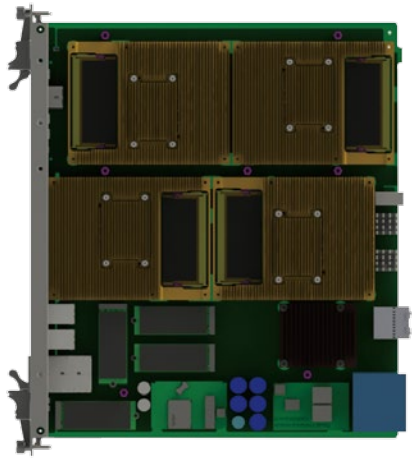
aTCA-9400

AdvancedTCA® Carrier Blade with 4x Intel® Xeon® Processor E3-1515M v5 COM Express Modules and FM10420 Multi-Host Controller

Features

- 4x COM Express Type 6 module slots supporting ADLINK Express-SL/SLE with Xeon® Processor E3-1515M v5 (45W)
- Integrated Intel® GT4e GPU providing high-performance H.264/H.265 transcoding
- COMe modules connected by Intel® Ethernet Multi-host Controller FM10420, supporting up to 25Gbps Ethernet bandwidth between CPUs
- 2x 10G SFP+, 4x 1G RJ-45 Ethernet on front panel
- 2x 10G to Fabric channels, 2x1G to Base channels



Specifications

CPU / Chipset / Memory

CPU
Intel® Xeon® E3-1515M v5 2.8GHz (3.7GHz Turbo), 45W

Chipset
Intel® CM236 Chipset

Memory
Dual channel 1867/2133 MHz DDR4 memory up to 32GB in dual SODIMM sockets

BIOS

Chip
AMI BIOS on SPI flash memory

I/O Interfaces

Graphics
Intel® Iris™ Pro Graphics P580 (GT4e)

Display
4x HDMI

Ethernet
4x 1G RJ-45 Ethernet ports on front panel
2 x 10G SFP+ Ethernet ports on front panel
Dual 10/100/1000BASE-T Base Interface channels
Dual 10GBASE-KR Fabric Interface channels

Console
1x USB serial port

USB
2x USB 3.0

Management
1x 1G RJ-45 to Base switch

Control Buttons

Reset
1x reset button to reset entire blade

Switch
1x switch to select USB host

Storage

4x M.2 2260 SSD drive bays

LEDs

H/S, Power, Alert (user programmable)

Operating Systems

Windows 10/8.1 64-bit, Windows 7 32/64-bit, Linux 64-bit

Mechanical and Environmental

Form Factor: PICMG 3.0 R3.0 AdvancedTCA
Dimension: 322.25mm x 280mm x 6HP (L x W x H)
Power Consumption: up to 300W

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

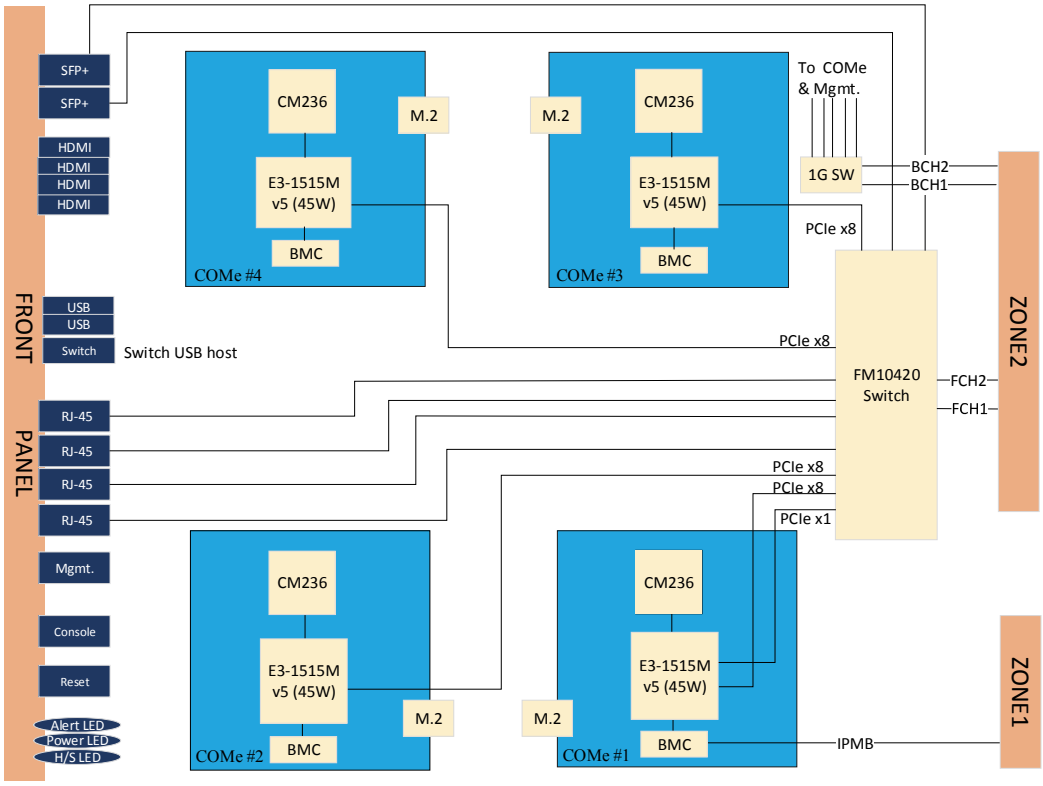
Humidity
5% to 95%, non-condensing

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

Vibration
Non-operating: 1.88Grms, 5-500Hz each axis
Operating: 0.5Grms, 5-500Hz each axis
Chassis Management
Temperature monitoring and fan-speed control only

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Functional Block Diagram



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

All products and company name listed are trademarks or trade names of their respective companies.
Updated Jan. 28, 2019. ©2019 ADLINK Technology, Inc. All Rights Reserved.
All specifications are subject to change without further notice.