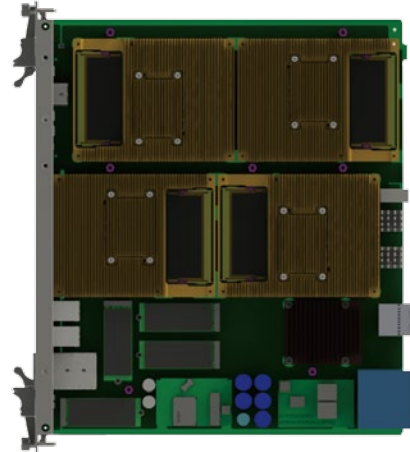


# aTCA-9400

## 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

# Functional Block Diagram

