A3400 series ATCA CPU blade key features

- AdvancedTCA Computing Blade; Compliant with PICMG 3.0 R3.0 and PICMG 3.1 R2.0
- Highest Performance Per Watt
- Dual Intel® Xeon® Processor E5 V3 & V4 family
- VLP DDR4, up to 256GB max memory size
- Dual 10G/40Gb Ethernet fabric interface
- Flexible storage and I/O extensions
- On Board M.2 SSD
- On Board GPU

Core System	Dimension	12.687'' x 11.20''
	Processor	Dual Socket R (LGA 2011) Intel® Xeon® processor E5 V3/ V4 family up to 135W TDP per Socket
	Chipset	Wellsburg PCH C612
	Network Controller	40G Version：FTXL710; 10G Version：82599EB
	Memory	ECC memory options up to 256GB total, 8 RDIMM slots
	BIOS	AMI EFI Aptio® code base Aptio V BIOS with Intel® AMT 9.0 support Support recover for secondary SPI Flash on module automatically
	Flash	128 Mb SPI Flash memory for BIOS
	IPMI	Compliant with the IPMI2.0 specification
	OS Supported	Red Hat Enterprise Linux 64-bit Windows server 2008 64-bit Support Kernel-based Virtual Machine (KVM) Support the Intel Data Plane Development Kit (DPDK)
Front Panel I/O	Display	1 x VGA
	USB	2 x USB2.0
	Serial Port	1 x RS232
	Ethernet Port	2 x 1000BASE-T Ethernet ports; 8 x SFP+ Ethernet ports at 10GBASE and 1000BASE speeds
	Button	Reset button
Backplane Interface	Ethernet	2 x 1000BASE-T Ethernet base interface ports; 1 x Fabric Interface Channels enabling a Dual Star configuration for each CPU: - 1000BASE-KX 1Gb Ethernet - 10GBASE-KX4 10Gb Ethernet - 10GBASE-KR 10Gb Ethernet - 40GBASE-KR4 40Gb Ethernet
RTM Interface	1 x USB 2.0	
	1 x RS232	
	4 x SATA	
	2 x PCIE x 8 GEN3	
Storage	1 x M.2 SSD	

Operating Environment / Compliance	Temperature	Operating Temperature: 5°C to 40°C; Short term Operating Temperature: -5°C to 55°C;(Short term defined as a maximum of 96 consecutive hours and a total of not more than 15 days in 1 year) Non-operating Temperature: -40°C to 70°C
	Humidity	Operating Relative Humidity: 5% to 85% (non-condensing) Non-operating Relative Humidity: 5% to 90% (Storage humidity)
Shock Vibration	Adhering to GR-63-CORE ISSUE4	
Regulatory	Safety: IEC60950-1 FCC	
EMC	EMC: EN55024, EN55022	

Functional Block Diagram