



## ► Specifications

<b>EXPANSION</b>	<b>Interface</b>	B1: 2 x PCIe x4 or 1 x PCIe x8 (Gen 3) B2: 2 x PCIe x4 or 1 x PCIe x8 (Gen 3) B3: 2 x PCIe x4 or 1 x PCIe x8 (Gen 3) B4: 2 x PCIe x4 or 1 x PCIe x8 (Gen 3)
<b>REAR I/O</b>	<b>Ethernet</b>	4 x 10GbE LAN (2 x SFP+, 2 x RJ-45) by 10GBASE-KR interface 2 x 1GbE LAN (RJ-45) (one from module; another from BMC for remote management)
	<b>USB</b>	4 x USB 3.0/2.0
	<b>Serial</b>	1 x RS-232 (DB-9) (supports by BMC which default is debug port and may switch to normal RS-232)
<b>INTERNAL I/O</b>	<b>Serial</b>	2 x Serial Interface Connectors (TX/RX) (2.0mm pitch)
	<b>SATA</b>	2 x SATA 3.0 (up to 6Gb/s)
	<b>DIO</b>	1 x 8-bit DIO (4 input, 4 output) 1 x SDIO (conditionally available)
	<b>LPC</b>	1 x LPC
	<b>SMBus</b>	1 x SMBus
	<b>I<sup>2</sup>C</b>	1 x I <sup>2</sup> C
<b>BMC</b>	<b>Features</b>	1. IPMI 2.0 2. Web Browser Support 3. Web Interface 4. iKVM (keyboard, video, and mouse) 5. Virtual Media 6. 3rd Party Authentication 7. Firmware Update 8. SMASH/CLP 9. WS-MAN 10. Network Service
	<b>Processor</b>	AST2500
	<b>SDRAM</b>	DDR4-2400 1200MHz 8Gb memory down
	<b>Display</b>	Through BMC to convert VGA signal VGA: resolution up to 1920 x 1200 x 32bpp (share with SOC 16MB memory)
	<b>POWER</b>	<b>Type</b> 12V, 5VSB, VCC_RTC (ATX mode) 12V, VCC_RTC (AT mode)
<b>ENVIRONMENT</b>	<b>Connector</b>	4-pin ATX 12V power 24-pin ATX power
	<b>RTC Battery</b>	CR2032 Coin Cell
	<b>Temperature</b>	Operating: 0 to 60°C Storage: -40 to 85°C
<b>MECHANICAL</b>	<b>Humidity</b>	Operating: 5 to 90% RH Storage: 5 to 90% RH
	<b>MTBF</b>	TBD
	<b>Dimensions</b>	microATX Form Factor 244mm (9.6") x 244mm (9.6")
	<b>Compliance</b>	PICMG COM Express® R3.0, Type 7 Basic, Compact Modules

## ► Packing List

• 1 COM333-I board	
• 1 Serial ATA data cable (Length: 500mm)	332-553001-005G
• Standoff (M2.5*12) (for compact size module)	A33-525019-A20G

## ► Optional Items

• Serial ATA data cable (Length: 500mm)	332-553001-005G
• LPC EXT-RS232 module (4 x RS232 ports)	770-EXTRS1-000G
• LPC EXT-RS485 module (4 x RS485 ports)	770-EXTRS1-100G
• I/O shield	A49-COM333-000G