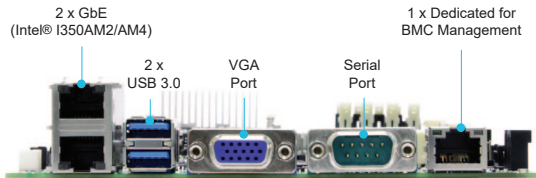


I/O View



Dimensions

mm : 330.2 x 153.86 / inches : 13 x 6.057

By implementing the next generation 14nm Intel® Xeon® processor E3-1200 v5 and v6 series, fully integrated microarchitecture with AIC-patented MAX I/O technology, the Antlia server board provides for maximum flexibility of I/O usage, never before available in the industry.

The Antlia features benefits of the Skylake processor and next generation architecture with available Gen3 PCI Express and more memory support. Built upon the MAX I/O technology, the Antlia series allows users to maximize the input/output (I/O) usage by utilizing the PCI Express directly at the source and eliminating the need for expensive switches. Users can cost-effectively manage PCI Express with the available bandwidth by choosing one of many riser cards for their I/O expansion requirement. MAX I/O supports any brand of PCI-based HBAs and that puts the decision of how to use PCI Express in the hands of the user, not in the hands of the board supplier.

The unique RTX form factor utilizes full internal chassis height for optimum I/O configurations.

Features

- Supports one Intel® Xeon® Processors E3-1200 v5 and v6 product family, 6th generation Intel® Core™ i3 processor, Intel® Pentium® processor or Celeron® processor
- Flexible I/O usage with MAX I/O to support an optimal number of PCIe devices utilizing 16 lanes of PCIe Gen3 and one PCIe Gen3 x4 slot
- Comes with a server-grade Intel® Ethernet Controller I350 to support up to 4GbE ports (2 x rear I/O RJ45 and 2 x onboard headers)
- With Embedded components to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

Specifications

System	Processor Support	Intel® Xeon® Processor E3-1200 v5/v6 Product Family, 6th/7th generation Intel® Core™ i3 Processor, Intel® Pentium® or Celeron® processor
	CPU TDP	80W
	Socket Type	Socket H3 (LGA-1151)
	System Chipset	Intel® C236 Chipset
	System Memory	<ul style="list-style-type: none"> • 4 x DIMM slots support DDR4 2400/2133MHz ECC UDIMM • Up to 64GB capacity
	Expansion Slots	<ul style="list-style-type: none"> • 1 x PCIe x16 Gen3 Gold-finger • 1 x PCIe x8 onboard slot (x4 Gen3 mode) • 1 x NGFF(M.2) B-key(2242/2260) supports PCIe x2 (default); BTO for SATA by BOM option
System BIOS	BIOS Type	Insyde BIOS code @ 16MB Flash EEPROM
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	Built-in SATA controller with RAID support on Intel® C236 Chipset <ul style="list-style-type: none"> • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN

On-board Devices	Network Controller	<ul style="list-style-type: none"> • Intel® Ethernet Controller I350-AM2 dual-port GbE PCIe v2.0 (5.0GT/s) Optional: Intel® Ethernet Controller I350-AM4 quad port GbE PCIe v2.0 (5.0GT/s) (2 rear I/O RJ45 + 2 onboard pin-headers) • Realtek RTL8201EL for BMC dedicated management port
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	8 x SATA 6.0Gb/s
	LAN	<ul style="list-style-type: none"> • 2 x external RJ45 ports support 1GbE • 2 x internal GbE PCIe v2.0 (5.0GT/s) (only for AM4 SKU) • 1 x 10/100 Mbps RJ45 dedicated for BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB 3.0 double-stacked Type A connectors • 1 x USB internal pin-header to support 2 x USB 3.0 • 1 x USB internal pin-header to support 2 x USB 2.0
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> • 1 x external DB-9 COM port • 1 x internal COM pin-header
	Others	Debug display pin-header, GPIO port, IPMB pin-header, Chassis intrusion, TPM 2.0 onboard