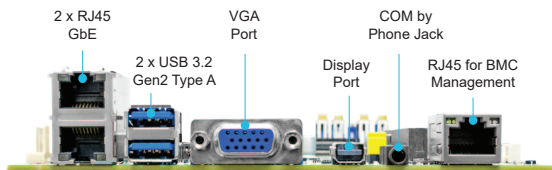


I/O View



Dimensions

mm : 332 x 153.86 / inches : 13 x 6

The Delphinus server board offers the latest Xeon® E-2300 Processors Product Family and Pentium Rocket Lake Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure)

By implementing Intel® Xeon® E-2300 Processors, fully integrated microarchitecture supports up to 3 x 16 lanes of PCIe Gen4 with specific RC by only one CPU (CPU0) installation at 1U height, providing two channels per CPU with total four ECC DIMM slots deployment which can support up to DDR4 3200/2933MHz, Delphinus server board can meet both cost efficiency and performance requirement for lots of applications.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD), Speed Shift Technology, the Delphinus server board enable next generation server solutions with an incredible leap in performance.

Features

- Supports Intel® Xeon® E-2300 Processors Product Family and Pentium Rocket Lake Processors
- Flexible I/O usage with MAX I/O to support an optimal number of PCIe devices utilizing 16 lanes of PCIe Gen4 and Slimline x4
- Comes with a server-grade Intel® Ethernet Controller I350 to support up to 4GbE ports (2 x rear I/O RJ45 & 2x onboard headers)
- 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® Rocket Lake-E (Xeon E-2300)
	CPU TDP	95W
	Socket Type	Socket H5 (LGA 1200)
	System Memory	<ul style="list-style-type: none"> • 4 x DIMM slots support: DDR4 3200MHz ECC UDIMM • Total 4 memory slots; 2 channel (2DPC)
Expansion Slots		<ul style="list-style-type: none"> • 1 x PCIe x16 Gen4 Gold Finger (from CPU) • 1 x Slimline x4 conn. supports PCIe x4 Gen4 (from CPU) • Up to 2 x M.2 22110 (1 x PCIe x1/SATA co-design) from PCH
		(A) PCH C256 SKU: <ul style="list-style-type: none"> a. 1 x PCIe x8 slot with PCIe Gen4 x4 lanes b. 2 x SATA 7pin + 1 x mini-SAS HD (4 x SATA) (B) PCH C252 SKU: <ul style="list-style-type: none"> a. 1 x PCIe x8 slot with PCIe Gen4 x2 lanes b. 1 x mini-SAS HD (4 x SATA) (without SATA 7pin onboard)
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • TPM
On-board Devices	SATA	Rocket Lake PCH-H on-chip solution supports up to 8 x SATA 6.0 Gb/s <ul style="list-style-type: none"> • 2 x SATA support pin#7 with 5V by jumper setting • Another 2 x SATA share with above M.2 • 1 x MiniSAS HD supports 4 x SATA
	BMC	Aspeed AST2500 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 • SMASH Support • HTML5 • Redfish

On-board Devices	Network Controller	<ul style="list-style-type: none"> • Realtek RTL8211E for BMC dedicated management port • 1 x Intel I350 AM4/AM2 co-design to supports 2/4 x GbE (SKU option)
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	SATA	Rocket Lake PCH-H on-chip solution supports up to 8 x SATA 6.0 Gb/s <ul style="list-style-type: none"> • 2 x SATA support pin#7 with 5V by jumper setting • Another 2 x SATA share with above M.2 • 1 x MiniSAS HD supports 4 x SATA
	LAN	<ul style="list-style-type: none"> • 1 x RJ45 (for BMC management port) • 2 x RJ45 GbE
	USB	<ul style="list-style-type: none"> • 2 x USB 3.2 Gen2 (10Gbps) Type A • 2 x USB pin headers support USB3.0/2.0
	Display	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with rear I/O-VGA) • 1 x display port
	Serial Port	<ul style="list-style-type: none"> • 1 x Phone Jack for COM • 1 x COM2 box header • 1 x COM1 box header share with rear I/O - COM
	Others	<ul style="list-style-type: none"> • 1 x TPM 2.0 onboard