SERIES

Zen-quiet Appliance, Magic Capacity

intel XEON inside™

Form Factor
1U

CPU Number
1

Memory Number
4
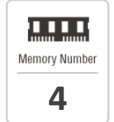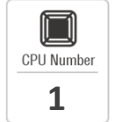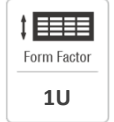
ASUS RS100-E10-PI2 is an Intel® Xeon® E processor 1U rack server based on Intel® C242 chipset. With a short 15" chassis, RS100-E10-PI2 easily fits in diverse rack cabinet, largely increasing density per rack to save space. In addition, it offers the ideal size for IT deployment, which also saves considerable cost when setting up a data center.

Target market

- Data center
- Embedded application
- SMB print/file/mail server
- Security Appliance Server

Fruitful Storage I/O Expandability

- Native 6 SATA 6G onboard
- M.2 (NGFF, Gen3 x2) for independent OS drive
- PCI-E x16 Link enable extreme flexibility, support GPU card up to Nvidia Quadro P1000

### Comprehensive IT infrastructure management solution

Optional ASMB9-iKVM and ASUS Control Center (ACC*)

Zen-quiet and energy-saving

RS100-E10-PI2 delivers excellent noise mitigation, lowest as 30dB, which is lower than the noise output of an average projector at 42dB. It also ships with high efficiency motherboard design and power module that reduces both power consumption and power loss — and that means great energy-cost savings for your organization.

Dual M.2 unleash independent and redundant I/O for OS drive

Capacity up to 2TB M.2 is supported for RS100-E10-PI2, either SATA and PCIe source can be auto by switch. The design with dual M.2 is capable of RAID 0, 1 and bring up better back-up solution for internal OS drive.
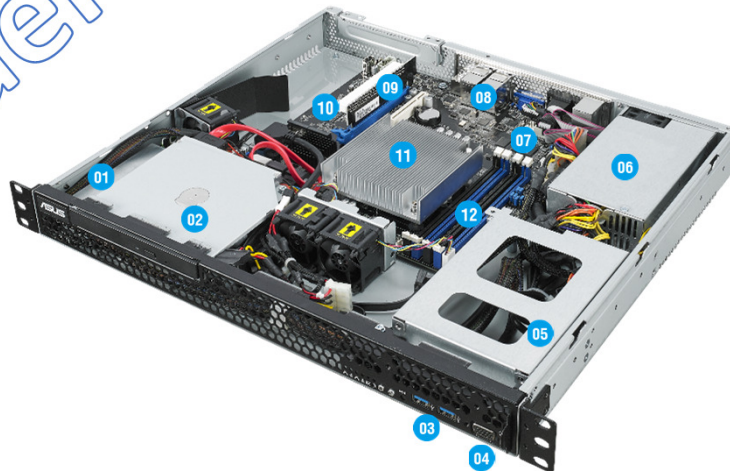
FEATURE

- Intel Xeon® E processor 1U rack server by 15" depth
- Single LGA1151 socket
- PCI-E x16 Gen3 supported for graphic card
- 2 x M.2 support
- Up to 5 storage drives supported

RS100-E10-PI2
380mm x 430mm x 44mm (1U)
14.96" x 16.93" x 1.73"

RS100-E10-PI2 Front View with optional ODD

RS100-E10-PI2 Rear View

1. 1 x 3.5" Internal disk bay (optional)
2. 1 x Slim type ODD or 2 x 2.5" Internal disk bays (optional)
3. 2 x USB 3.0 port
4. 1 x VGA port
5. 1 x 3.5" Internal disk bay or 2 x 2.5" Internal disk bays (optional)
6. Single 250W 80 PLUS Bronze / 350W 80 PLUS Gold PSU
7. Optional ASMB9-iKVM
8. Quad Intel® server LAN
9. 1 x PCI-E x 16 (Gen3 x16 link)
10. 2 x M.2 (NGFF), 2242
11. Intel LGA1151 CPU socket
12. 4 x DDR4 2666 ECC/non-ECC UDIMM, up to 64GB

SPECIFICATION

Processor Support		1 x Socket P0 (LGA 1151)
		Intel® Xeon® E processors (up to 95W) Intel ® Core™ i3 processors Intel® Pentium™ processors Intel® Celeron™ processors
Core Logic		Intel® C242 PCH
Memory	**Total Slots**	4 (2-channel per CPU)
	Capacity	Maximum up to 64GB
	Memory Type	DDR4 2666/2400 ECC and non-ECC UDIMM *Refer to ASUS server AVL for the latest update
	Memory Size	16GB, 8GB, 4GB (UDIMM) *Refer to ASUS server AVL for the latest update
Expansion Slots	**Total PCI/PCI-X/PCI-E/PIKE Slots**	1
	Slot Type	1 x PCI-E x16 (Gen3 x16 link) FH, HL
	Audio	-
Disk Controller	**SATA Controller**	Intel® C242 - 6 x SATA 6Gb/s ports -2 x M.2 connector(NGFF 2242, PCI-E Gen3 x2 link or SATA signal, gray SATA port will disable when M.2 is SATA signal) Intel® RSTe (Support software RAID 0, 1, 10 & 5)
	SAS Controller	Optional kits: ASUS PIKE II 3008 8-port SAS HBA card ASUS PIKE II 3108 8-port SAS HW RAID card 12G SAS Support
Storage Bays	**I = internal** **A or S will be hot-swappable**	2 x 3.5" Internal HDD Bays (Optional 1 x 3.5" HDD + 2 x 2.5" SSD) 2 x M.2 (NGFF 22110/2280/2260/2242)
Networking	**LAN**	1 x Quad Port Intel I210 Gigabit LAN Controller, 1 x Management Port
Graphic	**VGA**	Aspeed AST2500 64MB
Rear I/O Ports		2 x USB 3.0 ports, 2 x USB 3.1 ports, 1 x VGA port, 4 x RJ-45 GbE LAN ports, 1 x RJ-45 Mgmt LAN port
Switch/LED		**Rear Switch/LED:** 1 x Q-Code/Port 80 LED 1 x Power switch **Front Switch/LED:** 1 x Power switch/LED 1 x Location switch/LED 1 x Reset switch 1 x HDD Access LED 1 x Message LED LAN 1-4 LED
OS Support		Windows® Server 2016 RedHat® Enterprise Linux, SuSE® Linux Enterprise Server CentOS, Vmware Citrix XenServer Please find the latest OS support from http://www.asus.com/
Management Solution	**Software**	ASUS Control Center (Classic)
	Out of Band Remote Management	Optional ASMB9-iKVM for KVM-over-IP
Dimension		380mm x 430mm x 44mm 14.96" x 16.93" x 1.73"
Power Supply **(following different configuration by region)**		Single 250W 80 PLUS Bronze Power Supply Rating: 100-240Vac,4A ,50-60Hz, Class I Single 350W 80 PLUS Gold Power Supply Rating: 100-240Vac,6A-3A ,50-60Hz, Class I
Environment		Operation temperature: 10℃ ~ 35℃ Non operation temperature: -40℃ ~ 70℃ Non operation humidity: 20% ~ 90% (Non condensing)