ASR-3100

1U Rackmount Dual Intel® Xeon® E5-2600 v3/v4 Storage Server with 16 x 2.5" NVMe SSDs and 2 x PCIe Gen III x8 Slots



CE FCC

Features

- Dual LGA 2011-R3 Intel® Xeon® E5-2600 v3/v4 processors
- 16 DDR4-2133 RDIMMs for a maximum of 512 GB
- Up to 16 x hot-swappable 2.5" NVMe/SAS/SATA drives
- Intelligent Platform Management Interface (IPMI) support
- Supports 2 x PCIe Gen III x8 cards for I/O expansion
- 1100 W 1+1 redundant power supply with 80 PLUS Platinum certification

Specifications

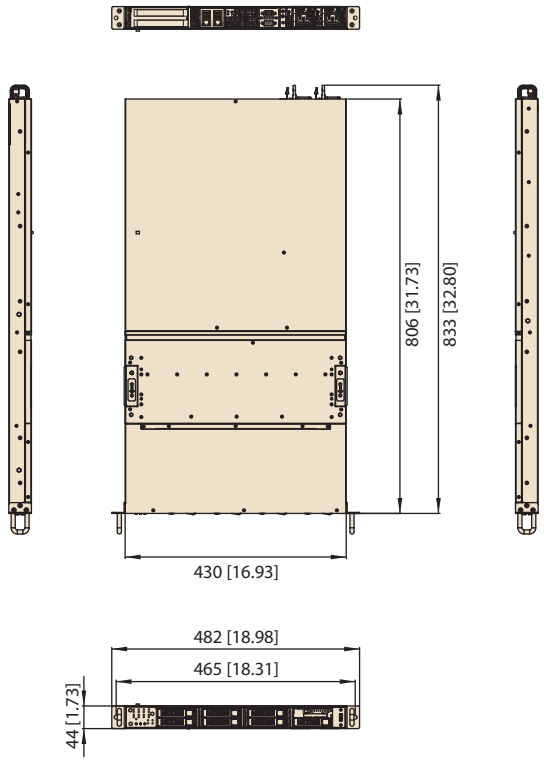
System	Chipset	Intel® C612	
	CPU	Intel® Xeon® E5-2600(v3/V4) dual processor (up to 135W TDP)	
	Memory	16 x DDR4-2133 ECC RDIMMs, maximum 512 GB	
Graphics	Controller	ASPEED AST2400	
	VRAM	64 MB	
Expansion Slot	PXIe x8	2 x PCIe Gen III x8 slots (Supports 1 x HHHL card and 1 x FHHL card)	
Drive Bay	2.5" (hot swappable)	Up to 16 x NVMes/SAS (12Gb)/SATA (6Gb) drives (Refer to the ordering information for further details.)	
Ethernet	Interface	2 x 1 GB Base-T Ethernet	
	Controller	2 x Intel® I210	
Front I/O	USB	1 x USB 2.0	
Rear I/O	USB	4 x USB 3.0	
	PS/2	-	
	COM	1	
	Display	1 x VGA	
	RJ45	2	
Internal Connector	Type-A USB	-	
	SATA	2 (SATA M.2 2242)	
	LPC	-	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	Programmable, 1~255 sec	
Power Supply	Power Output	80 PLUS Platinum 1+1 redundant power supply 900W @ 100 ~ 120 V 1100W @ 200 ~ 240 V	
	Input Range	100 ~ 240V_{AC}	
Cooling	Chassis Fan	7 x 4056	
	Air Filter	-	
Miscellaneous	LED Indicators	Power status, HDD activity, LAN status, location, error messages	
	Remote Management	Advantech Remote Monitoring Utility	
Environment		Operating	Non-operating
	Temperature	0 ~ 40 °C (32~104 °F)	-20 ~ 60 °C (-4 ~ 140 °F)
	Humidity	10 ~ 85% @ 40 °C	10 ~ 95% @ 40 °C
	Vibration (5 ~ 500 Hz)	0.25 Grms	-
Characteristics	Dimensions (D x W x H)	806 x 430 x 44 mm (31.7" x 16.9" x 1.7")	

All product specifications are subject to change without notice.

Last updated: 27-Jun-2018

Dimensions

Unit: mm [inch]



Ordering Information

Part Number	2.5" Front HDD Bay	Second Row 2.5" HDD Bay	PCIe Slots	Chassis Depth	1 GbE	IPMI	Power Supply
ASR-3100PP-R11A1E	X8 NVMe	X8 NVMe + SATA (SAS optional)	2	806 mm	2	Yes	1+1 1100W RPS
ASR-3100PT-R11A1E	X8 NVMe	X8 SATA (SAS optional)	2	806 mm	2	Yes	1+1 1100W RPS
ASR-3100SS-R11A1E	X8 SAS+SATA	X8 SAS + SATA (x2 NVMe optional)	1*	806 mm	2	Yes	1+1 1100W RPS

Note:

1. One slot is occupied by the SAS12G RAID card.
2. For quality assurance purposes, the product must be sold as a complete system with the CPU, memory, and drives fully integrated and tested.

Package Contents

Part Number	Description	Quantity
CPU0 heatsink	Heatsink for E5-2600 series	1
CPU1 heatsink	Heatsink for E5-2600 series	1
Rail kit	1U slide rail kit	1
CMA	Cable management arm	1
Driver CD	ASR-3100 CD with drivers and user manual	1
Startup manual	ASR-3100 startup manual	1

Compatible NVMe Drives

Part Number	Description
96FD25-V2TB-IN7	Intel P3700 2.5" NVMe, 2.0TB, MLC
96FD25-V1.6TB-IN7	Intel P3700 2.5" NVMe, 1.6TB, MLC
96FD25-800-IN7	Intel P3700 2.5" NVMe, 800GB, MLC
96FD25-400-IN7	Intel P3700 2.5" NVMe, 400GB, MLC
TBD	Micron 9100 PRO 2.5" NVMe series
TBD	Micron 9100 MAX 2.5" NVMe series
TBD	Micron 9200 PRO 2.5" NVMe series