SKY-8201

Compact 2U Carrier Grade, High Performance Server based on Intel® Xeon® Processor Scalable Family



Features

- 2U 20" deep rackmount server
- Dual Intel[®] Xeon[®] Platinum, Gold, Silver or Bronze Processor (Up to 165W TDP)
- 16x DIMM sockets support up to 1024GB DDR4 2666 / 2933 MHz DDR4 (ECC/RDIMM/LRDIMM)
- Rich Add-In Card Support: Up to four FH/FL PCIe x8 Gen3 slots, two FH/HL PCIe x8 Gen3 slots (Optional: four FH/FL PCIe x16 Gen3 slots), plus two LP PCIe x8 Gen3 slot or Advantech Personalization card
- Up to 4x 2.5" hot-swappable HDD/SSD drives
- 1x M.2 2280 SATA SSD
- IPMI 2.0-compliant management with reliability and security enhancements
- Intel Select Solutions for NFVi Gen2 certified



Introduction

The Advantech SKY-8201 is a highly configurable high performance server designed to balance the best in x86 server designed to balance the balance the balance the balance to balance the balance to balance the balance to balance the balance to balance the balance the balance the balance the balance the balance to balance the balance to balance the balance to balance to balance the balance to b

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Architected around the new Intel® Xeon® Processor Scalable Family, the Dual-Socket SKY-8201 c. mb. s cutting-edge performance with the ruggedness, reliability, and long system lifecycles required by the industry. With integrated security and compression offload bases on Inc. QuickAssist technology and two onboard 10GbE ports with SR-IOV and RDMA support, the system offers best-in-class integration in a compact 2U, 20" deep form fact c

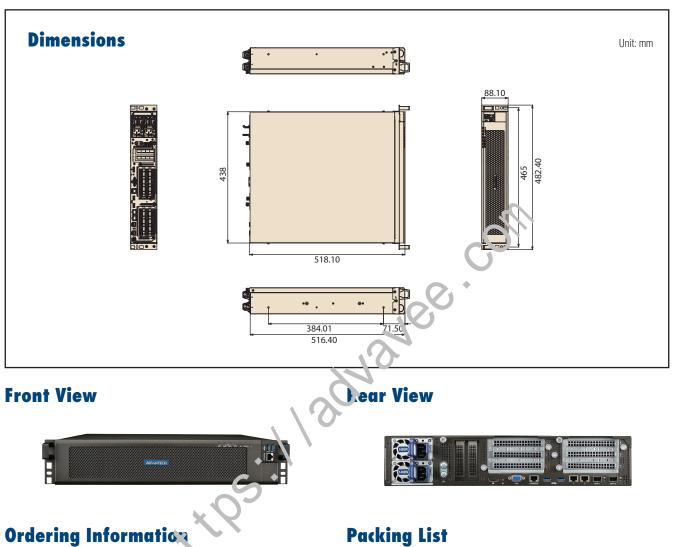
The SKY-8201 is designed to withstand extended environmental conditions in term's of shock, vibration and operating temperature. A replaceable front air filter is supported to cope with dust. Redundant power supplies, the ability to withstand single fan failures, recurs ant firmware images with failsafe upgrades and hot swappable FRUs make the SKY-8201 the platform of choice for applications requiring zero downtime. The SKY 8201 to designed for NEBS Level 3 carrier grade environments and where limited rack space is available. Interoperability testing is performed with a wide selection of third-party PCi card vendors.

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Specifications

	CPU	Dual CPU from the New Intel® Xeon® Processor Scalab	le Family up to 28 cores 165W	
Processor System	Chipset	Intel [®] C622 chipset (optional variants with C625, C626		
	Technology	Up to 16x 2666/2933MHz DDR4 ECC Standard ECC RI		
		Max capacity per channel: 64GB		
Technology	Max Capacity	Max total capacity per system: 1024GB		
	Socket	16x 288-pin DIMM		
PCIe	Expansion s.nt		Total 4 x rear PCIe x8 (FH/FL) and 2 x rear PCIe x8 (FH/HL) or 2 x rear PCIe x16 (FH/FL), plus 2 x rear PCIe x8 (LP) or 2 x rear PCIe x8 expansion slot for Advantech Personalization card	
0	Front IO	2 x USB2.0, PWR, ID Button, Status LEDs		
0	Rear IO	2 x GbE LAN RJ45(Management ports), 1 x Display por	t, 1 x VGA, 2 x USB3.0/2.0, 2 x 10GE SFP+	
	Management Interface	10/100/1000 Mbps		
	10GbE Ethernet Interface	1Gbps / 10Gbps		
Ethernet	Controller	GbE LAN1: Intel i210-AT, GbE LAN2: Intel i210-AT 10GbE SFP+ LAN1/2: Integrated into PCH, with SR-IOV	/ and RDMA support	
	Connector	2 x RJ-45, 2 x SFP+		
Storage	SKY-8201 SKU	4 x2.5" HDD/SSD		
Power	Input	1400W AC/DC PSU (AC) 100-240V _{AC} , 12-10A, 50-60Hz (DC) -3672V _{DC} , 40-25A		
	Output Current Rating	1200W, Max: +12V/70A, +5Vsb/3A, per PSU		
		Operating	Non-operating	
Environment	Temperature	-5 ~ up to 55 °C (23 ~ 131 °F) Depends on CPU model and configuration	-40 ~ 70 °C (-40 ~ 158 °F)	
	Humidity	50% @ 25 °C to 95% @ 40 °C (non condensing)	95% @ 60 °C (non-condensing)	
	Chassis Fan	6 x 80 x 38 high speed fan		
Cooling	Thermal Control	Two separate thermal zones for motherboard and Full L	ength (FL) PCIe cards	
oooning	Reliability	Resilient to single fan failure		
	Air Filter	Yes (optional)		
System Management	IPMI	Aspeed AST2500 BMC Advanced Lights Out Management compliant to IPMI2.0 with security & availability enhancements iKVM Support Advantech Web GUI style node manager Configurable shared or dedicated NIC support		
Dhusiasl	Dimension (W x D x H)	430 x 508 x 88.6 mm (16.9" x 20" x 3.48")		
Physical	Weight (N.W)	~17ka		

SKY-8201



Part Number	Descriptio	
SKY-8201SAS-0000E	20" 2U server w "Dual Intel® Xeon® Processor, Intel® C622 chipset, AC 1400W PSU, 4x 2.5" HDD/ SSD slot, 4 x FH/FL slots, 2 x FH/HL slots, 2 x LP slots	
SKY-8201SAS-0001E	20" 2U server w Dual Intel [®] Xeon [®] Processor, Intel [®] C622 chipset, DC 1400W PSU, 4x 2.5" HDD/ SSD slot, 4 x FH/FL slots, 2 x FH/HL slots, 2 x LP slots	
SKY-8201SAS-0016E	20" 2U server w Dual Intel [®] Xeon [®] Processor, Intel [®] C622 chipset, AC 1400W PSU, 4x 2.5" HDD/ SSD slots, 4 x FH/FL PCle x16 slots, 2 x LP slots	

Advantech Pers Card Options

Part Number	Description
PCIE-1220PS-00A1E	Dual 10GbE X710 w. 2x SFP+
PCIE-1221PS-00A1E	Dual 10GBASE-T w. X550
PCIE-1130PS-00A1E	Quad GbE i350 w. 4x RJ45
PCIE-1131PS-00A1E	Quad GbE i350 w. 4x SFP

Packing List

Part Number	Description	Qty
9680016959	22" Rail Kit for 438mm chassis	1

Optional Accessories

Part Number	Description
1702002600-02	Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D
1702002605-02	Power Cord 3P European 10A/16A 250V 1.83M 90D
1702031801	Power Code 3P (UK) 5A-Fuse 183cm
1700000237-01	Power Cord 3P PSE 12A 125V 1.83M Japan
1700024872-11	SKY-8201 Power cord (DC)
1700027969-01	Extended Power cable for Add-on PCIe card (e.g., GPU)
989282010D0	Riser with PCIE dual x16 slots
1950023212N000	PCIE Card frame for x16 Riser
1700028790-01	Oculink Cables for x16 Riser