

WISE-STACK 200

WISE-PaaS On-Premises Deployment with 3 Advantech Industrial Rackmount Servers (no rack version)



Features

- Private cloud computing platform, supports Multi-Tenancy
- Can convert traditional IT database data and OT equipment data into real-time reports
- Support digital twin technology for device monitoring and various low-code AI training or inference frameworks
- Support Advantech ready solutions: Smart manufacturing, Smart medical, Smart city, Water resources environmental protection and Green energy
- The hardware can be expanded according to the demand and has high availability (HA)
- Built-in graphical data management and backup tools, simple and efficient
- Can integrate the CPU and GPU computing resources of multiple physical servers, which can dedicate all for high-performance computing or share every distributed load evenly
- Can be deployed with a variety of virtualized environments, and combined with public clouds to form a hybrid cloud with both elasticity and privacy

Introduction

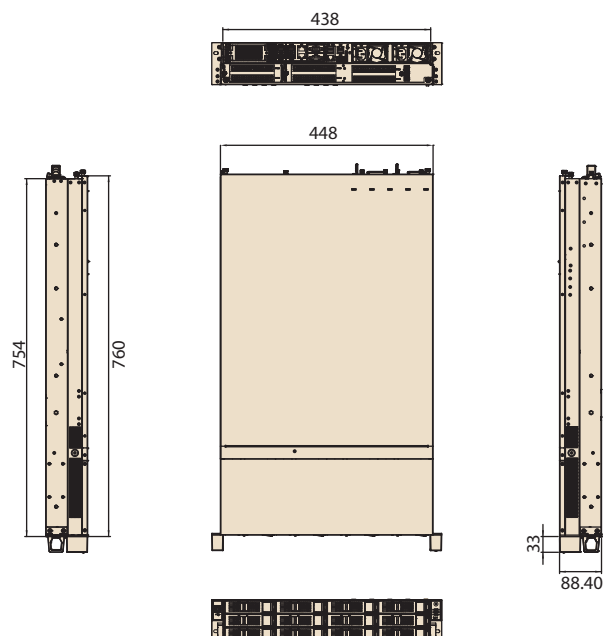
Advantech WISE-STACK is a private cloud solution with Advantech WISE-PaaS AIoT big data process platform, including data collection, data analysis, AI training, and data visualization, can effectively reduce the complexity and cost of building a data center.

Specifications

Models		WISE-STACK 200 DS	WISE-STACK 200 AS	WISE-STACK 200 GS	WISE-STACK 200 BH	WISE-STACK 200 OH
Form Factor		2U Rack mount x1	2U Rack mount x1	2U Rack mount x1	2U Rack mount x3	2U Rack mount x3
Computing resource		vCPU: 32, cores Memory: 128GB Storage: 8TB GPU: N/A	vCPU: 64, cores Memory: 256GB Storage: 8TB GPU: N/A	vCPU: 64 cores, Memory: 256GB Storage: 8TB GPU:Quadro A5000x2	vCPU: 120 cores, Memory: 768GB Storage: 16TB GPU: N/A	vCPU: 120 cores, Memory: 768GB Storage: 32TB GPU: N/A
Network interface		Every server: 4 ports 10Gb SFP+, 2 ports 1Gb RJ45, 1 port 1Gb RJ45 dedicated for IPMI				
Hardware other than server		1U deploy node x1	1U deploy node x1	1U deploy node x1	1U deploy node x1 10G switch x2	1U deploy node x1 10G switch x2
Electricity power demand	Input	AC 100 ~ 240 V @ 50 ~ 60 Hz, full range				
	Power consumption	MAX: 850 Watt, Average: 220 Watt	MAX: 850 Watt, Average: 250 Watt	MAX: 1200 Watt, Average: 900 Watt	MAX: 2850 Watt, Average: 700 Watt	MAX: 2850 Watt, Average: 800 Watt
Operation Temperature		0 ~ 40° C (32 ~ 104° F)				
Vibration Resistance		With SATA HDD: 0.5 Grms, IEC 60068-2-64, 5-500Hz, 1hr/axis				
Shock Protection		With SATA HDD: 10G, IEC-60068-2-27, half sine, 11ms duration				
Dimensions (W x H x D)		448 x 88.4 x 760 mm , 17.6 x 3.48 x 30 inch (each server)				
Weight		30 Kg	30 Kg	32 Kg	90 kg (facility total)	92 kg (facility total)
Expansion slots (1 server)		1 PCI-E Gen3 x16 (FH/FL) + 4 PCI-E Gen3 x8 (LP) + 1 PCI-E Gen3 x16 OCP 2.0 NIC				
OS support (include VM)		Linux (CentOS 7, Ubuntu 18.4, etc.), Windows Server				
Certification	EMC	CCC/CE/FCC/UL/CB				

Dimensions

Unit: mm



Order Information

Part no.	Description
SKY72212102-T	For WISE-STACK 200 DS, server hardware only, 2 years RMA
SKY72212108-T	For WISE-STACK 200 AS, server hardware only, 2 years RMA
SKY72212202-T	For WISE-STACK 200 GS, server hardware only, 2 years RMA
WSTACK2002201-T	For a set of WISE-STACK 200 BH, server + switch hardware only, 2 years RMA
W-STACK200	For a set of WISE-STACK 200 OH, server + switch hardware only, 2 years RMA
SKY-7221D3S-WS00E	Additional HCI node for WISE-STACK 200 OH expansion server hardware only, 2 years RMA

Optional

Part no.	Description
36QSCBEL0001E1	Standard IaaS license for single node WISE-STACK
9802CBSMA00	1 year IaaS technical support and consult
32WSEdge300A01	Basic suite of Advantech WISE-PaaS IoT Suite AIoT platform
980GENCSS40	1 year WISE-PaaS technical support and consult