EIS-S230

Edge Cloud Solution with Scalable Data Service Platform

Integrated hardware plus software for back-end data service and light private

Pre-configured system: Intel Xeon, Ubuntu OS with 32GB RAM/ 512GB

Open and Standard structure: kubernetes Built-in, Multiple DB Connections,

Integrated IoT Software: Private Cloud Deployment, Platform Management,

Application integration: WISE-PaaS/DeviceOn, Grafana, Prometheus,

Sustainable Management: Condition Monitor, Load Balance, Self-Healing
WISE-PaaS/DeviceOn inside for IoT Device Operation Management

Features

mSATA SSD

On-demand Microservices

Kubeapps, Kubernetes Dashboard

Application Integration

cloud

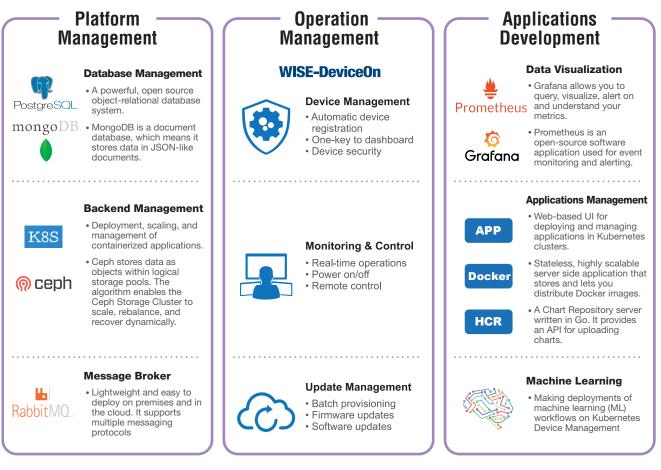


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Introduction

For accelerating IoT application landing, Advantech provide Edge cloud solution EIS-S230 for our customer to build a stable and reliable back-end data service or light private cloud . EIS-S230 is a all-in-one solution for user. It builded in Intel Xeon CPU to offer extreme computing power for data service. Moreover, EIS-S230 is integrated Kubernates to support micro-service, and build-in complete back-end software components, includes RabbitMQ for IoT Hub, mongoDB and PostgreSQL for database, Grafana for data visualization and Prometheus for Back-end management. EIS-S230 also provide dynamically scale out function, user can extend the resources if necessary. It help customer create IoT applications more easily and flexibly. Speed up the time to market.

Software Stack



AD\ANTECH Fanless Embedded Box PCs

All product specifications are subject to change without notice.

Server Function List

Manage & Monitor	Comprehensive management & monitoring Web console	
High Availability	Supports highly available deployment	
Scalability	Horizontal/Vertical scaling via clustering with server architecture and kubernetes' features	
Lightweight and Easy to Deploy	Microservices architecture to deploy and run applications easily	
Role-Based Access Control	Fine-grained authorization and authentication	
Load Balancing	Balancing workload and network traffic	
Health Check & Self-Heal	Check health status of services and heal them in need	

**Support depends on device type, OS and account permission.

System Specifications

Model Name	EIS-S230
Processor	Intel [®] Xeon [®] E3-1275 V6
Storage	512GB mSATA SSD (OS) / Data storage (Optional)
RAM	32GB DDR4 ECC 2400MHz SO-DIMM
OS	Ubuntu 16.04
Others	PCIE x 2, TPM 2.0
Display	HDMI x 1, VGA x 1
I/O	USB 3.0 x 8, GBE LAN x 4, Serial port x 4
Power Input	9-36V DC-in (AT/ATX mode)
Dimension	156.5 x 205 x 230 mm (6.16" x 8.07" x 9.06")
Environment Temperature	0 ~ 40 °C

Ordering Information

Part Number	CPU	Memory	Storage	0S	Display	GbE	USB 3.0	Serial	Audio	Power Input	Expansion	Operating Temperature*
EIS-S230-U20S501	Intel [®] Xeon [®] E3-1275 V6	32GB	512GB SSD	Ubuntu	1 x VGA 1 x HDMI	4	8	4	LINE out	9-36V	2 x PCIE	0 ~ 40° C
EIS-S230-0000001	Optional	Optional	Optional	Optional	1 x VGA 1 x HDMI	4	8	4	LINE out	9-36V	2 x PCIE	$0 \sim 40^\circ$ C

* If industrial grade memory and SSD selected.

Packing List

Item	Description
1	EIS-S230-U20S501
2	Data Service Server software packages
3	AC to DC power adapter, DC 24V 220W
4	Accessory Package

Optional Items

Part Number	Description
1702002600	Power cable 3-pin 183cm, USA type
1702002605	Power cable 3-pin 183cm, EU type
1702031801	Power cable 3-pin 183cm, UK type
1700000237	Power cable 3-pin 183cm, PSE type
1700019146	3-pin power cord (CCC)
96ND1TB-ST-SG5KA	Seagate ST1000VT001 1TB HDD
SQF-S25V4-1T-SBC	SQF 2.5" SSD 1TB SSD

* MUST select two pieces of HDD/SSD as data storage.