## 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

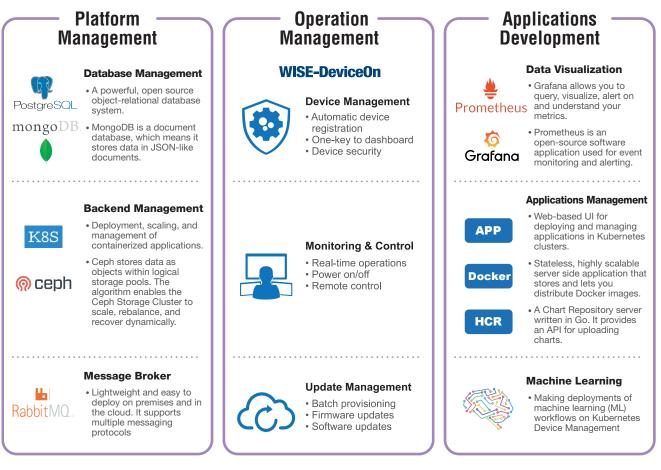


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### Introduction

# 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 <sup>®</sup> Xeon <sup>®</sup> 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 <sup>®</sup> Xeon <sup>®</sup> 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.