EIS-S230-E1DS2A1

Edge Cloud Server with SignageCMS

WISE-PaaS/SignageCMS

Features

- Integrated hardware plus software for back-end data service and light private cloud
- Open and Standard structure: kubernetes Built-in, Multiple DB Connections, On-demand Microservices
- Integrated IoT Software: Private Cloud Deployment, Platform Management, Application Integration
- Application integration: DeviceOn/iEdge, Grafana, Prometheus, Kubeapps, Kubernetes Dashboard
- Sustainable Management: Condition Monitor, Load Balance, Self-Healing
- DeviceOn/iEdge inside for IoT Device Operation Management
- Bundled with SignageCMS

Introduction

EIS-S230-E1DS2A1 is the Edge Cloud Server that bundled with SignageCMS for middle size remote signage management. The fanless design and rich I/O provide customer reliable and comprehensive choice to build the system easily and rapidly. The complete hardware and software solution can save customer the time to configure the whole system.

Specifications

Model Name		EIS-S230-E1DS2A1
Processor System	CPU	i7-7700
	Frequency	3.6GHz/3.4GHz
	L3 Cache	8MB
	TDP	65W
	Chipset	C236
	BIOS	AMI EFI 128Mbit
Memory	Technology	DDR4 2666 MHz
	Max. Capacity	32 GB
	Socket	2 x 260-pin SO-DIMM
Graphics	Chipset	Intel® HD Graphics 630
	Graphic Engine	Direct x 12, OpenGL 4.4 HW Encode: H.265/HEVC, H.264/MPEG-4 AVC, MPEG-2, JPEG/MJPEG and VP8. HW Decode: H.265/HEVC, H.264/MPEG-4 AVC, MPEG-2, VC-1/WMV9, JPEG/MJPEG, VP8 and VP9
	VGA	1920x1200@ 60Hz
	HDMI	1 HDMI port, HDMI 2.0 for HD video playback, 3840x2160@30Hz
	Optional 3rd Display module	DVI-D / DP / HDMI Display Port
	Triple Display	VGA+HDMI + 3rd display module
Ethernet	LAN1	10/100/1000 Mbps Intel I219-LM GbE, support Wake On Lan
	LAN2, 3, 4	10/100/1000 Mbps Intel I210 GbE, support Wake On Lan
Audio	Interface	Realtek ALC888S, High Definition Audio, Line-out, Mic-in
Others	Watch dog Timer	255-level timer interval, setup by software
	TPM	TPM 2.0
I/O Interface	Serial Port	4 x RS-232/422/485 port with auto flow control; COM 1 support 5V/12V power supply (by jumper)
	USB	8 x USB 3.0 ports
	P/S2	1 Port support by cable and bracket (Optional)
	Optional I/O	16bit DIO or 2 x RS-232 ports
Expansions	Mini PCIe	2 x Full-size Mini PCIe (2 x support mSATA, 1 x support SIM holder)
	M.2	1 x E key for WiFi
	i Door	1 set (Optional)
	Add-on Card Slot	Maximum card size 110mm (H) x 180mm (L) Suggest maximum power consumption 10W for each slot 2 Slots PCIex8 (Default) 2 Slots PCI (Support by project) 1 Slots PCIex16 (Support by project)
Storage	HDD	2 x 2.5" SATAIII HDD Bay with Max Height 15mm (support Intel SW RAID (Up to 4 x 2.5" SATAIII HDD bays by optional 2*AMK-A0028E)
	mSATA	2 x mSATA socket (Share with Mini PCIe)

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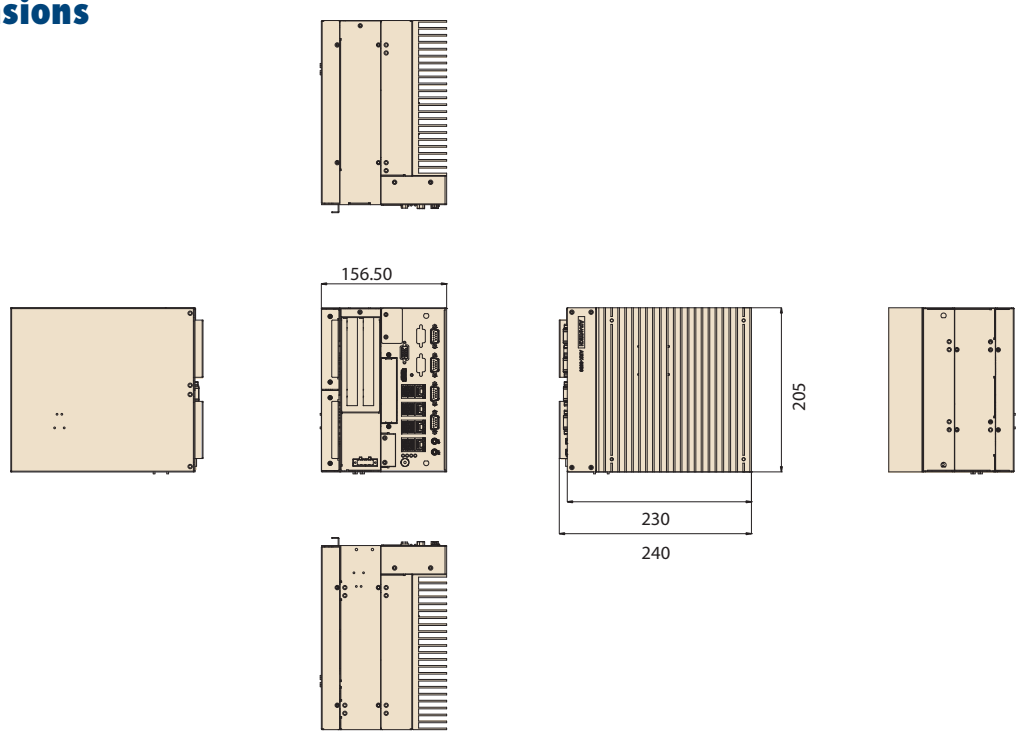
All product specifications are subject to change without notice.

Dimensions

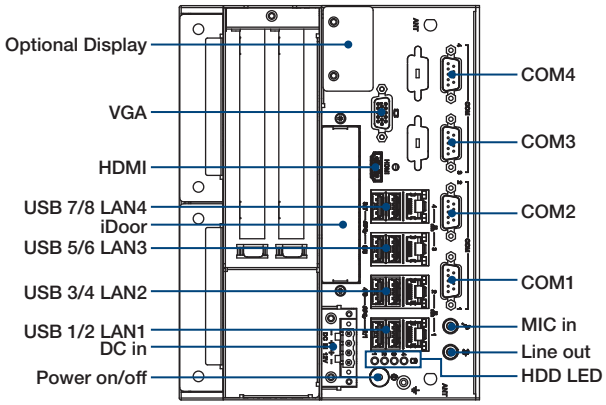
Unit: mm



Specifications Cont.

Software Support	Microsoft Windows	Windows 10 (Windows 7 for 6th Gen CPU only)
	Linux	Ubuntu (Others By Project Support)
Power Requirements	Power Type	AT/ATX
	Power Input Voltage	9-36V
	Power Adapter	AC to DC, 150W (Optional)
Power Consumption (CPU/Memory Only)	Typical	25.68W
	Max.	88.92W
Mechanical	Construction	Aluminum housing
	Mounting	Desk mounting
	Dimensions (W x H x D)	156.5 x 205 x 230 mm (6.16" x 8.07" x 9.06")
	Weight	5.87Kg
Environment	Operating Temperature	25W/35W/65W(only 6th Gen) Processor with extended temp peripherals: -20 ~ 60 °C with 0.7m/s air flow Under 73W processor with HDD: 0 ~ 40 °C with 0.7m/s air flow
	Storage Temperature	-40 ~ 85 °C
	Relative Humidity	95% @ 40 °C (non-condensing)
	Vibration During Operation	With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.
	Shock During Operation	With SSD: 30 G, IEC 60068-2-27, half sine, 11 ms duration
	EMC	CE/FCC Class B, CCC, BSMI
	Safety	CB, UL, CCC, BSMI

Front Panel External I/O Mechanical Layout/Drawing



Ordering Information

Part Number	CPU	Memory	Storage	OS	Display	GbE	USB 3.0	Serial	Audio	Power Input	Expansion	Operating Temperature*
EIS-S230-E1DS2A1	i7-7700	8GBx2	512GB SSD	Win10 IoT	1 x VGA 1 x HDMI	4	8	4	LINE out	9-36V	2 x PCIE	-20 ~ 60 °C

* If industrial grade memory and SSD selected.

Packing List

Item	Description
1	EIS-S230-E1DS2A1
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.