DS-085

Ultra-slim 4 Display Digital Signage Player

Features

- Powered by 11th Gen Intel® Core™ i3/i5/i7 and Intel® Celeron® 6305E processors
- Powerful graphic engine - iRIS® Xe
- 19mm-thin chassis ideal for space-limited installation
- 4 HDMI display output, resolution up to 4K(3840 x 2160)
- Supports WISE-PaaS/DeviceOn and Embedded Software APIs
- Supports WebAccess/SignageCMS for intuitive signage content managing, remote monitoring and control

McAfee™ Acronis WISE-PaaS/SignageCMS WISE-DeviceOn

Windows 10

Introducton

Measuring at 19 mm thick, DS-085 is the world's slimmest digital signage player powered by Intel TGL UP3 series. This thin-andpowerful signage player is equipped with 4 x HDMI display which is capable to achieve up to 4K resolution, and delivers a premium visual experience when graphics performance really matters. Windows 10 OS, Linux are supported, and Advantech WISE-PaaS/SignageCMS, Web-based content management software, is also free on offer. We've designed the DS-085 in the smallest possible form factor, for optimized performance.

Specifications

		DS-085SGB-U1A1E, Celeron 6305E, DS-085SGB-U2A1E, i3 1115G4E, DS-085SGB-U3A1E, i5 1145G7E, DS-085SGB-U6A1E, i5 1135G7,	DS-085LGB-U1A1E, i7 1165G7, DS-085LGB-U2A1E, Celeron 6305E DS-085LGB-U3A1E, i3 1115G4E DS-085LGB-U4A1E, i5 1145G7E DS-085LGB-U5A1E, i5 1135G7
Processor	Chipset	Integrated in SOC	
	BIOS	AMI uEFI 128 Mbit	
Memory	Technology	DDR4 2666MHz	
	Max. Capacity	32GB (16GB per SO-DIMM)	
	Socket	2 x 260-pin SODIMM	
CPU TDP		15W	28W
Thermal Solution		Fanless	
Display	Graphics Engine	Intel UHD graphics	
	Output	HDMI 2.0 x 4	
	Resolution	3840 x 2160 @ 60Hz	
Ethernet	Controller	Intel I219-LM & Realtek RTL8119I	
	Interface	Gigabit LAN Controller	
	Connector	2 x RJ-45	
I/O Interfaces	Audio	1 (Line-Out/Mic-In/Headset)	
	LAN (RJ-45)	2	
	HDMI	4	
	USB	4 (2.0x2, 3.0x2)	8 (2.0x6, 3.0x2)
	Serial Port (RS-232)	1	2
	PSW	1 x Power on/off button	
	Function Button	Reserve for OEM demand	
	IR Phone Jack	Reserve for OEM demand	
	DIO & External Power	N/A	Yes
	LED Indicators	1 x Power, 1 x HDD Access	
Storage	M.2	2242 M Key	
WiFi & BT	M.2	2230 E Key	
Power Requirement	Power Management	ACPI 3.0	
	Input Voltage	19 V DC-in (ATX/AT mode)	
Watchdog Timer	Output	Interrupt, system reset	
	Interval	255-level timer interval, setup by software	
Physical Characteristics	Mounting	VESA/Desk/Wall/Din Rail	
	Dimensions (W x D x H)	180 x 190 x 19mm	210 x 178 x 40mm
	Weight	0.87 kg	2.1 kg
Environment	Operating Temperature	0 ~ 40 °C with 0.7 m/s airflow	0 ~ 55 °C with 0.7 m/s airflow
	Relative Humidity	95% @ 40 °C (non-condensing), operating	
Operating System	Operating System	Win10 x64	
	Linux	supported by project	
Certifications	EMC	CE,FCC Class B,CCC,BSMI	
	Safety	UL,CB,CCC,BSMI	

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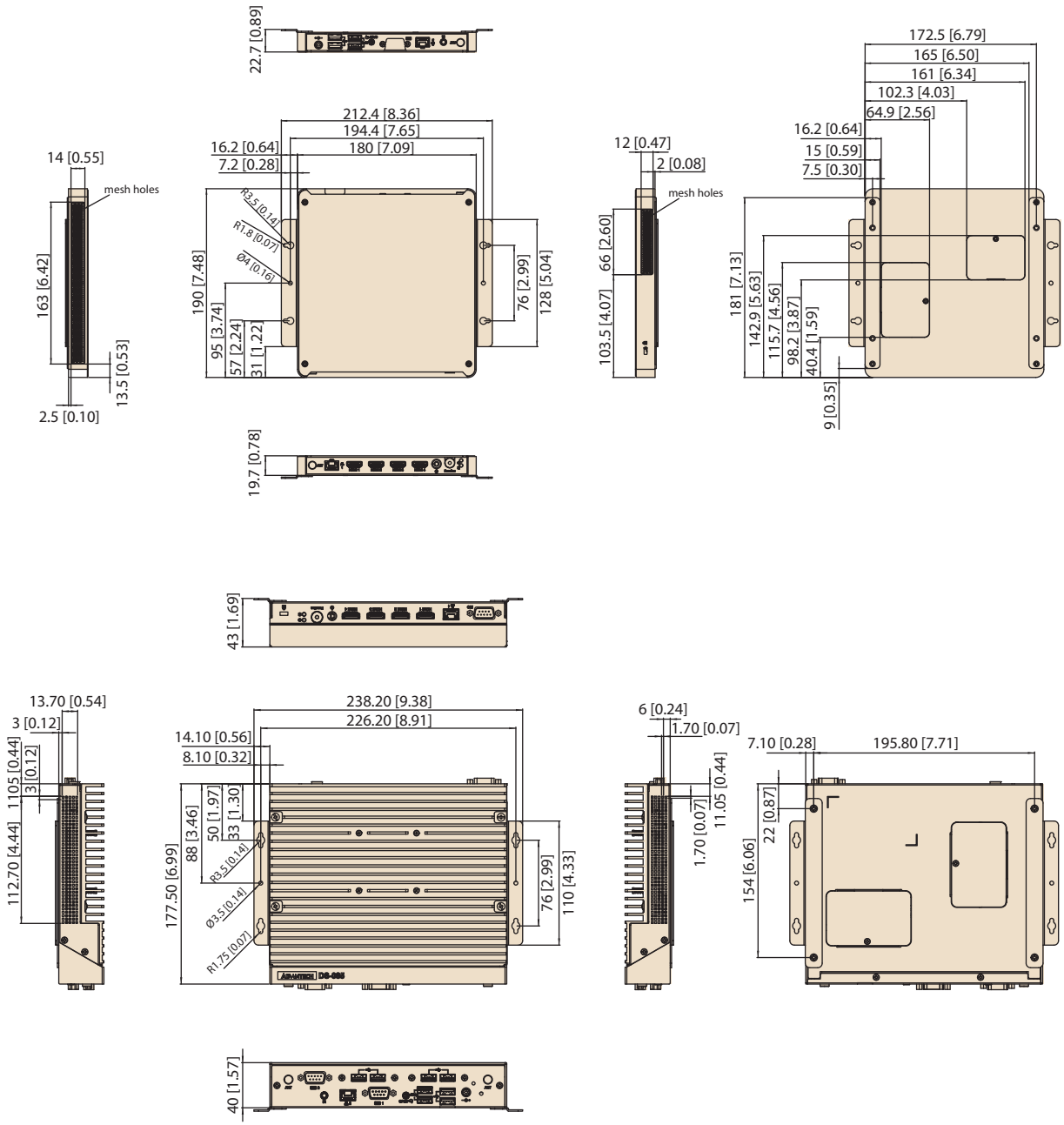
All product specifications are subject to change without notice.

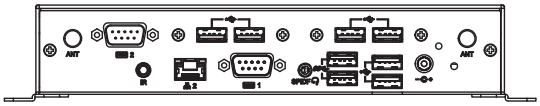
Dimensions

Unit: mm [inch]



Front View

Rear View



Ordering Information

Part Number	Description
DS-085SGB-U1A1E	DS-085, Small, Celeron 6305E, Barebones
DS-085SGB-U2A1E	DS-085, Small, i3 1115G4E, Barebones
DS-085SGB-U3A1E	DS-085, Small, i5 1145G7E, Barebones
DS-085SGB-U6A1E	DS-085, Small, i5 1135G7, Barebones
DS-085LGB-U1A1E	DS-085 Large, i7 1165G7, Barebones
DS-085LGB-U2A1E	DS-085 Large, Celeron 6305E, Barebones
DS-085LGB-U3A1E	DS-085 Large, i3 1115G4E, Barebones
DS-085LGB-U4A1E	DS-085 Large, i5 1145G7E, Barebones
DS-085LGB-U5A1E	DS-085 Large, i5 1135G7, Barebones

Packing List

Part Number	Description
-	1 x DS-085
-	1 x 19V Power adapter
-	1 x China RoHS
-	2 x Wall Mount Brackets
-	1 x User's Manual (En/TC/SC)
-	4 x Rubber foot and screws

RAM & Storage

Part Number	Description
SQR-SD4N4G2K6SNPCB	Memory, SQ, DDR4 4GB
SQR-SD4N8G2K6SNBCB	Memory, SQ, DDR4 8GB
SQR-SD4N16G2K6SNCB	Memory, SQ, DDR4 16GB
SQF-SM4V2-64GCSBC	Storage, M.2 2242, SQ, TLC, 64GB
SQF-SM4V2-128GCSBC	Storage, M.2 2242, SQ, TLC, 128GB
SQF-SM4V2-256GCSBC	Storage, M.2 2242, SQ, TLC, 256GB
SQF-SM4V2-512GCSBC	Storage, M.2 2242, SQ, TLC, 512GB

Embedded OS

Part Number	Description
20706WX9EM0034	Win10 IoT 2019 64 Bit, for Intel Celeron
20706WX9VM0026	Win10 IoT 2019 64 Bit, for Intel i3/i5
20706WX9HM0030	Win10 IoT 2019 64 Bit, for Intel i7

Power Cord

Part Number	Description
1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
170203180A-01	3-pin power cord (UK)
1700008921	3-pin power cord with PSE (Japan)
1700019146	3-pin power cord (CCC)
1700018553	3-pin power cord (AU)
1700024849-01	3-pin power cord (TW)

Optional Items

Part Number	Description
AMK-V005E	VESA mount kit (Generic for ARK-DS/DS)
AMK-V017E	DS products VESA with Din Rail bracket
EWM-W163M201E	EWM-W163 M.2 2230 WIFI & BT