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

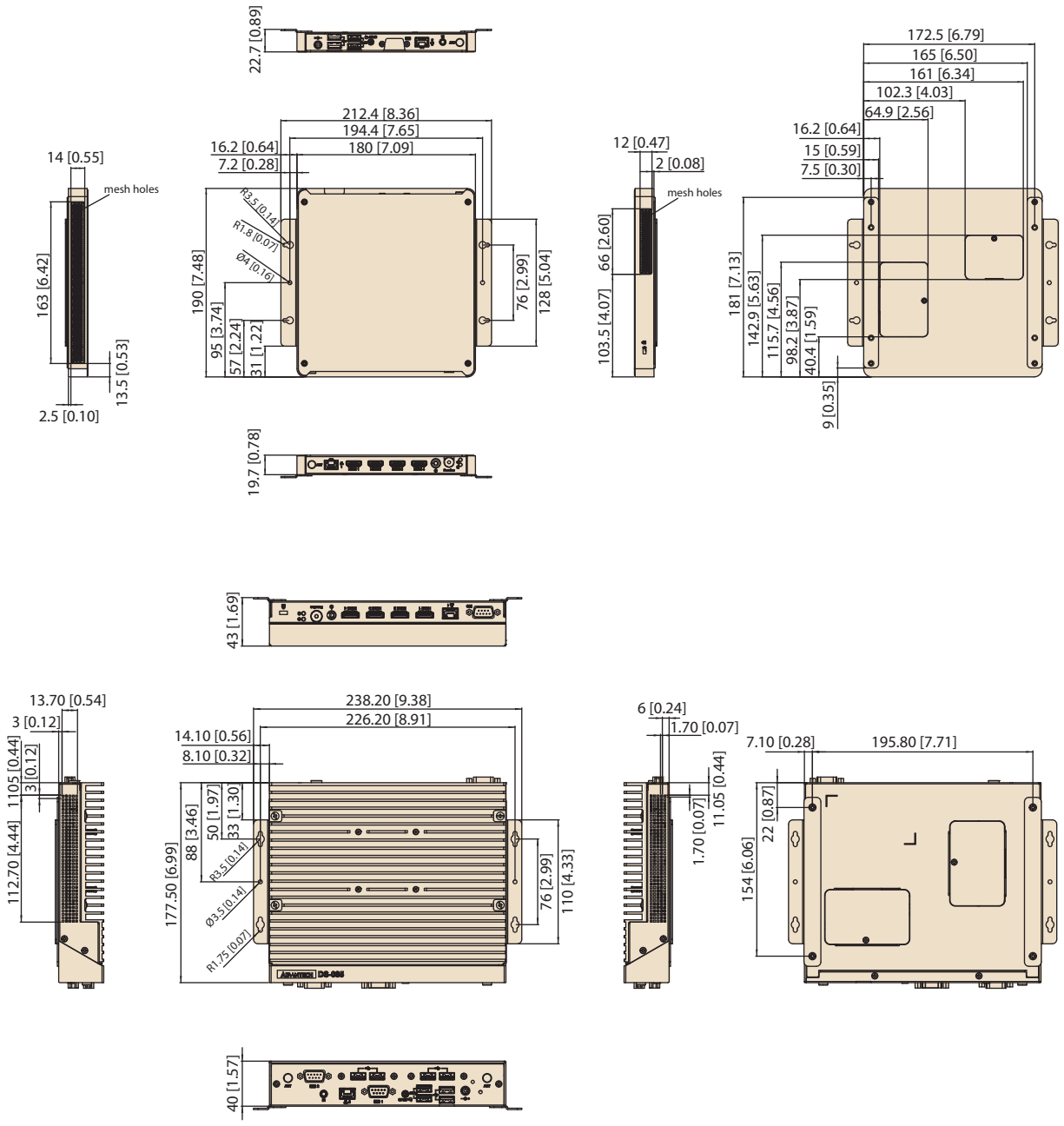
		DS-085SGB-U1A1E, Celeron 6305E, DS-085SGB-U2A1E, i3 1115G4E, DS-085SGB-U3A1E, i5 1145G7E	DS-085LGB-U2A1E, Celeron 6305E DS-085LGB-U3A1E, i3 1115G4E DS-085LGB-U4A1E, i5 1145G7E
Processor	Chipset	Integrated in SOC	
	BIOS	AMI uEFI 128 Mbit	
Memory	Technology	DDR4 2666MHz	
	Max. Capacity	32GB (16GB per SO-DIMM)	
	Socket	2 x 260-pin SODIMM	
CPU TDP		15W	28W
Thermal Solution		Fanless	
Display	Graphics Engine	Intel® Iris® Xe 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 (SATA)	
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, RED, UKCA	
	Safety	UL, CB, CCC, BSMI, UKCA	

All product specifications are subject to change without notice.

Last updated: 27-Feb-2024

Dimensions

Unit: mm [inch]



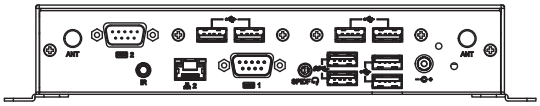
Front View





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-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

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
20706U20DS0018	Ubun20.4 DS-085 64b 2004 ENU

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-W192M202E	M.2 2230 WiFi & BT