

DS-085

Ultra-slim 4 Display Digital Signage Player

Preliminary



Introduction

Measuring at 19 mm thick, DS-085 is the world's slimmest digital signage player powered by Intel TGL UP3 series. This thin-and-powerful 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	DS-085SGB-U2A1E	DS-085SGB-U6A1E	DS-085SGB-U7A1E	DS-085LGB-U1A1E
Processor	Processor	Intel® Celeron 6305E	Intel® i3 1115G4E	Intel® i5 1135G7	Intel® i7 1165G7	Intel® i7 1165G7
	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	15W	15W	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 RTL8111FP				
	Interface	Gigabit LAN Controller				
	Connector	2 x RJ-45				
I/O Interfaces	Audio	1 (Line-Out/Mic-In)				
	LAN (RJ-45)	2				
	HDMI	4				
	USB	4 (2.0x2, 3.0x2)	4 (2.0x2, 3.0x2)	4 (2.0x2, 3.0x2)	4 (2.0x2, 3.0x2)	8 (2.0x6, 3.0x2)
	Serial Port (RS-232)	1	1	1	1	2
	PSW	1 x Power on/off button				
	Function Button	Reserve for OEM demand				
	IR Phone Jack	Reserve for OEM demand				
	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	180 x 190 x 19mm	180 x 190 x 19mm	180 x 190 x 19mm	210 x 178 x 40mm
	Weight	0.87 kg	0.87 kg	0.87 kg	0.87 kg	2.1 kg
Environment	Operating Temperature	0 ~ 40° C with 0.7 m/s airflow	0 ~ 40° C with 0.7 m/s airflow	0 ~ 40° C with 0.7 m/s airflow	0 ~ 40° C with 0.7 m/s airflow	0 ~ 40° 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				

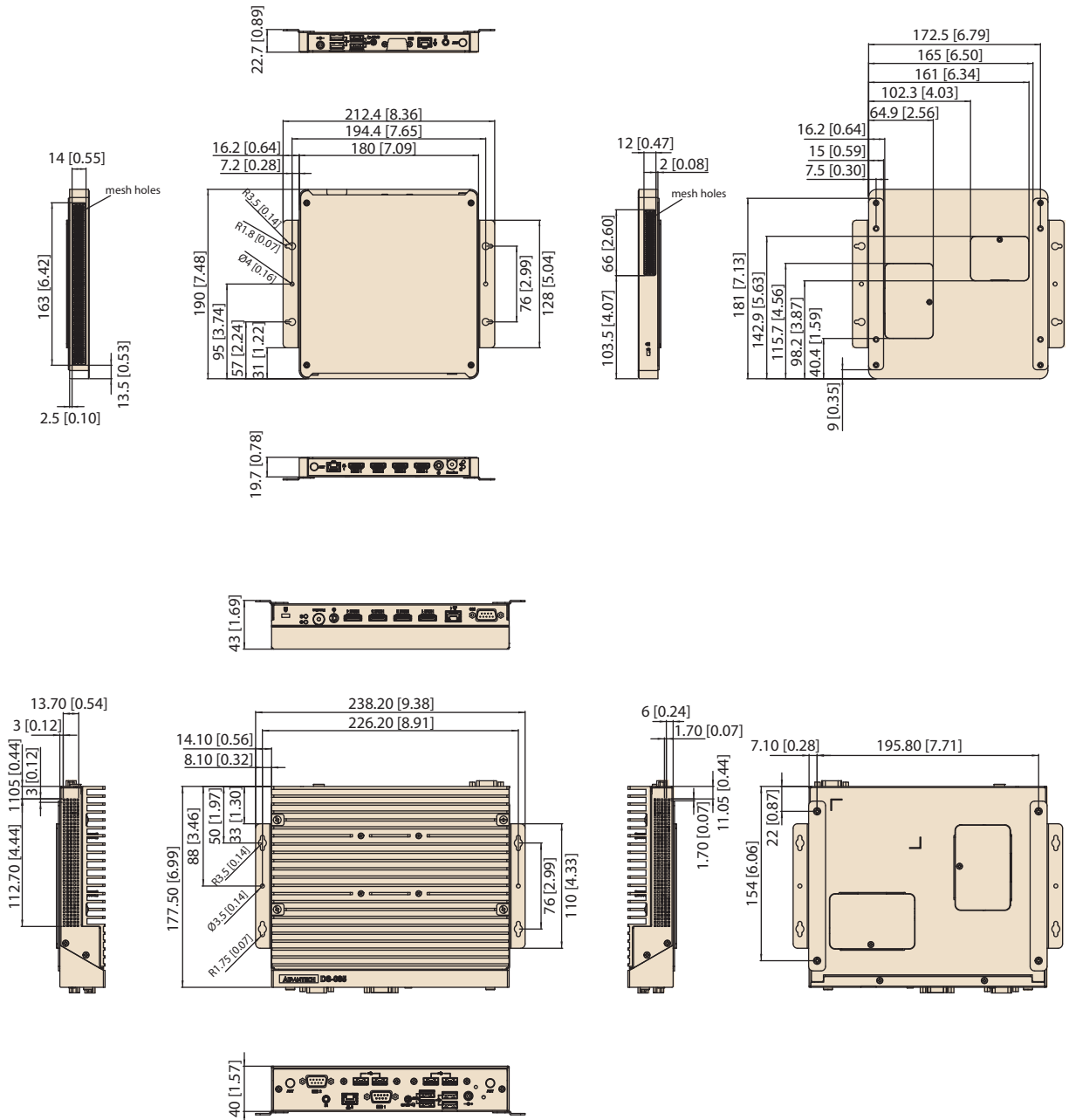
Features

- Power by Intel TGL UP3 processor
- Powerful graphic engine - Intel UHD graphics
- 19mm-thin chassis ideal for space-limited installation
- 4 HDMI display output, resolution up to 4K(3840 x 2160)
- Support remote update BIOS in BIOS level
- Support remote restore OS in BIOS level.
- Support Out of Band functions. (Remote Power On/Off/Restart)
- Supports WISE-PaaS/DeviceOn and Embedded Software APIs
- Supports WebAccess/SignageCMS for intuitive signage content managing, remote monitoring and control

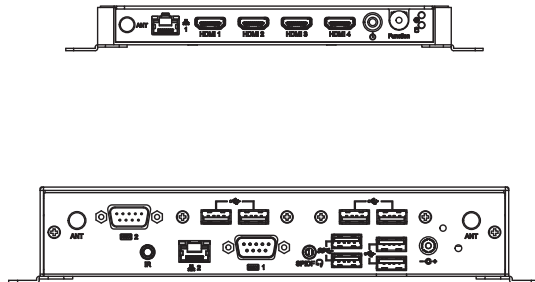
McAfee Acronis WISE-PaaS/SignageCMS WISE-PaaS/ DeviceOn

Dimensions

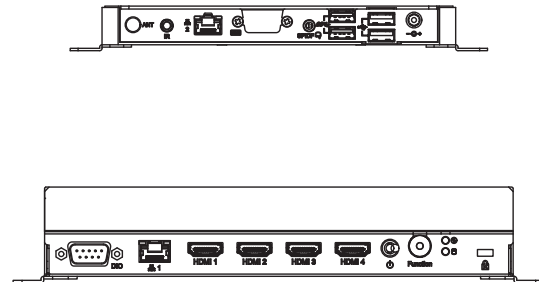
Unit: mm [inch]



Front View



Rear View



Ordering Information

Part Number	Description
DS-085SGB-U1A1E	DS-085, Small, Celeron, Barebones
DS-085SGB-U2A1E	DS-085, Small, i3, Barebones
DS-085SGB-U6A1E	DS-085, Small, i5, Barebones
DS-085SGB-U7A1E	DS-085, Small, i7, Barebones
DS-085LGB-U1A1E	DS-085, Large, i7, 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

Embedded OS

Part Number	Description

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