DS-082

Ultra-slim 3/4 Display Digital Signage Player

Windows10

Features

- Power by AMD Ryzen V1000/R1000 processor
- Powerful graphic engine - AMD Radeon HD graphics
- 19mm-thin chassis ideal for space-limited installation
- 3/4 HDMI display output, resolution up to 4K(3840 x 2160)
- Cable-less design for easy maintenance
- 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

Introducton

Measuring at 19 mm thick, DS-082 is the world's slimmest digital signage player powered by AMD Ryzen V1000/R1000 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-082 in the smallest possible form factor, for optimized performance.

Specifications

		DS-082GB-T4A1E	DS-082GB-U0A1E	DS-082GBF-U0A1E	DS-082GB-U6A1E	DS-082GBF-U6A1E
Processor	Processor	AMD V1807B	AMD V1605B	AMD V1605B	AMD R1606G	AMD R1606G
	Chipset	Integrated in SOC				
	BIOS	AMI uEFI 128 Mbit				
Memory	Technology	DDR4 2400MHz				
	Max. Capacity	32GB (16GB per SO-DIMM)				
	Socket	2 x 260-pin SODIMM				
CPU TDP		35W	25W	15W	25W	15W
Thermal Solution		Active	Active	Fanless	Active	Fanless
Display	Graphics Engine	AMD Radeon HD graphics				
	Output	HDMI 2.0 x 4	HDMI 2.0 x 4	HDMI 2.0 x 4	HDMI 2.0 x 3	HDMI 2.0 x 3
	Resolution	3840 x 2160 @ 60Hz				
Ethernet	Controller	Realtek RTL8111G				
	Interface	Gigabit LAN Controller				
	Connector	1 x RJ-45				
I/O Interfaces	Audio	1 (SPDIF/Line-out/ Mic-in), support Jack Sense				
	LAN	1 (RJ-45)				
	HDMI	4	4	4	3	3
	USB	USB 2.0 x 2, USB 3.0 x 2				
	Serial Port	1 x RS-232				
	PSW	1 x Power on/off button				
	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 19 mm				
	Weight	0.87 kg (1.92 lb)				
Environment	Operating Temperature	0 ~ 40° C (32 ~ 104F) 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 (No RED certification)				

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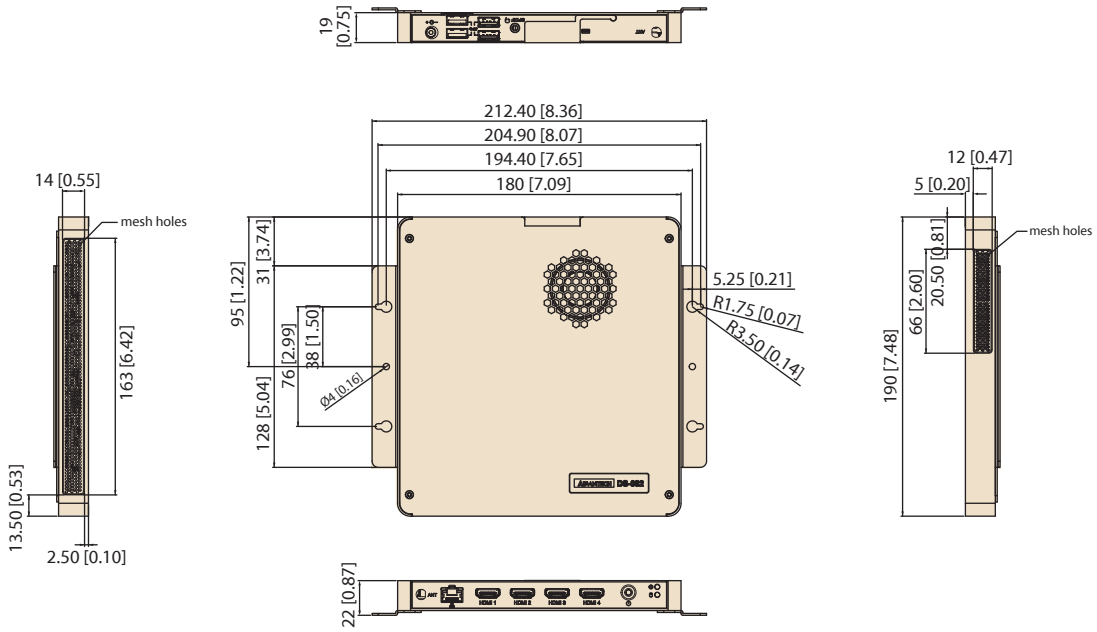
All product specifications are subject to change without notice.

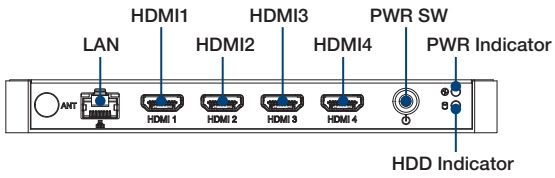
Last updated: 17-Nov-2021

Dimensions

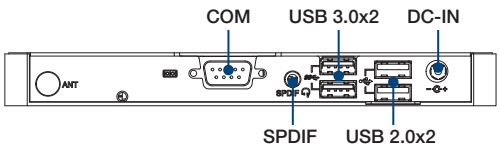
Unit: mm [inch]



Front View



Rear View



Ordering Information

Part Number	Description
DS-082GB-T4A1E	AMD V1807B, Barebones, 4 Display, Active Cooling (35W)
DS-082GB-U0A1E	AMD V1605B, Barebones, 4 Display, Active Cooling (25W)
DS-082GBF-U0A1E	AMD V1605B, Barebones, 4 Display, Fanless(15W)
DS-082GB-U6A1E	AMD R1606G, Barebones, 3 Display, Active Cooling (25W)
DS-082GBF-U6A1E	AMD R1606G, Barebones, 3 Display, Fanless (15W)

Packing List

Part Number	Description
-	1 x DS-082
-	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
20706WX9VS0014	Win10 IoT 2019 64 Bit Value, for AMD V1807B/V1605B
20706WX9ES0016	Win10 IoT 2019 64 Bit Entry, for AMD R1606G

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
AMO-WIFI12	EWM-W163 M.2 2230 WIFI & BT