

# DS-082

## Ultra-slim 3/4 Display Digital Signage Player



### Introduction

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

### Specifications

		DS-082GB-U0A1E	DS-082GBF-U0A1E	DS-082GB-U6A1E	DS-082GBF-U6A1E
Processor	Processor	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		25W	15W	25W	15W
Thermal Solution		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 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	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 (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 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, UKCA			
	Safety	UL, CB, CCC, BSMI, UKCA (No RED certification)			

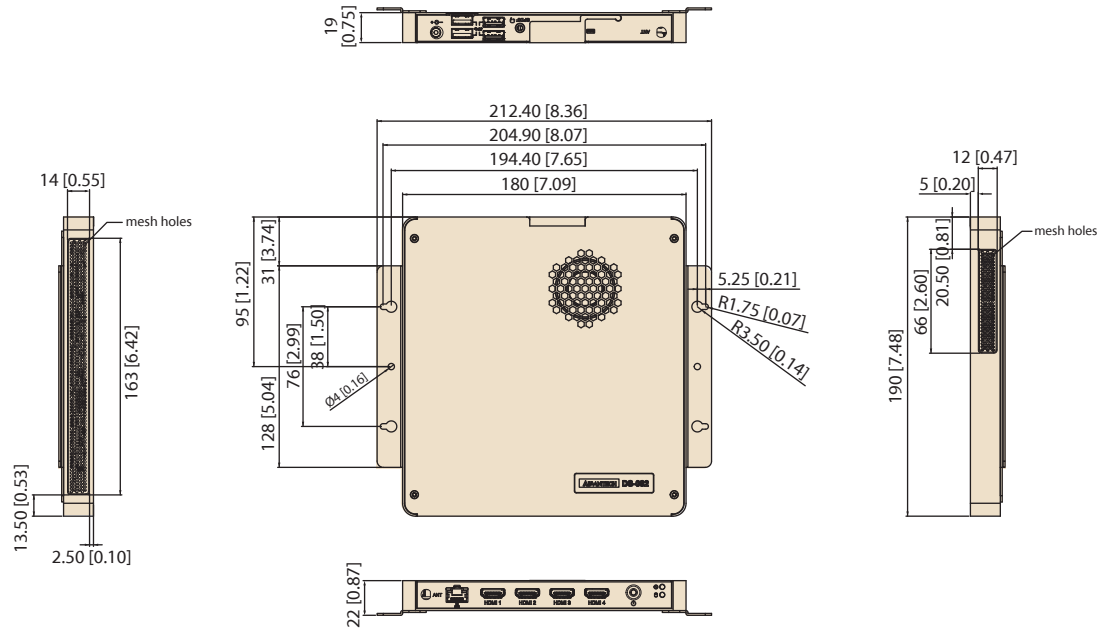
### Features

- 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

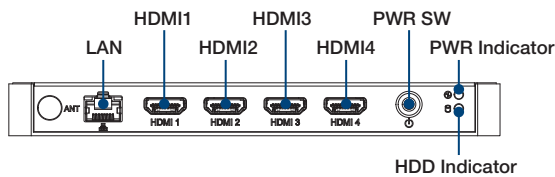
McAfee Acronis WISE-PaaS/SignageCMS WISE-DeviceOn

## Dimensions

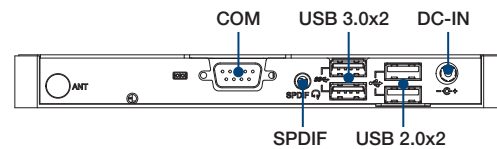
Unit: mm [inch]



## Front View



## Rear View



## Ordering Information

Part Number	Description
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)

## Optional Items

Part Number	Description
AMK-V005E	VESA mount kit (Generic for ARK-DS/DS)
AMK-V017E	DS products VESA with Din Rail bracket

## 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

## RAM & Storage

Part Number	Description
SQR-SD4N4G3K2SNPCB x1	Memory, DDR4 4GB
SQR-SD4N4G3K2SNPCB x 2	Memory, DDR4 4+4GB
SQR-SD4S8G3K2SNBB x2	Memory, DDR4 8+8GB
SQR-SD4S16G3K2SNBB x2	Memory, DDR4 16+16GB
SQF-S4BV1-64GDSDC	Storage, M.2 2242, SQ, 64GB
SQF-S4BV1-128GDSDC	Storage, M.2 2242, SQ, 128GB
SQF-S4BV1-256GDSDC	Storage, M.2 2242, SQ, 256GB

## 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)