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ADVANTECH DS-082 Ultra Slim 3/4 Display Digital Signage Player

ADVANTECH DS-082 Ultra Slim 3/4 Display Digital Signage Player Owner's Manual

Contents

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FAQ

- **Q:** Can I upgrade the memory in the digital signage player?

- **A:** Yes, the digital signage player supports up to 32GB of DDR4 memory, allowing for memory upgrades.
- **Q:** What operating system does the digital signage player run?
  - **A:** The digital signage player runs on Windows 10 x64 operating system.

Introduction And Features

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 of achieving 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.

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

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)			
	Output	Interrupt, system reset			

Watchdog Timer				
	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)		

Dimensions
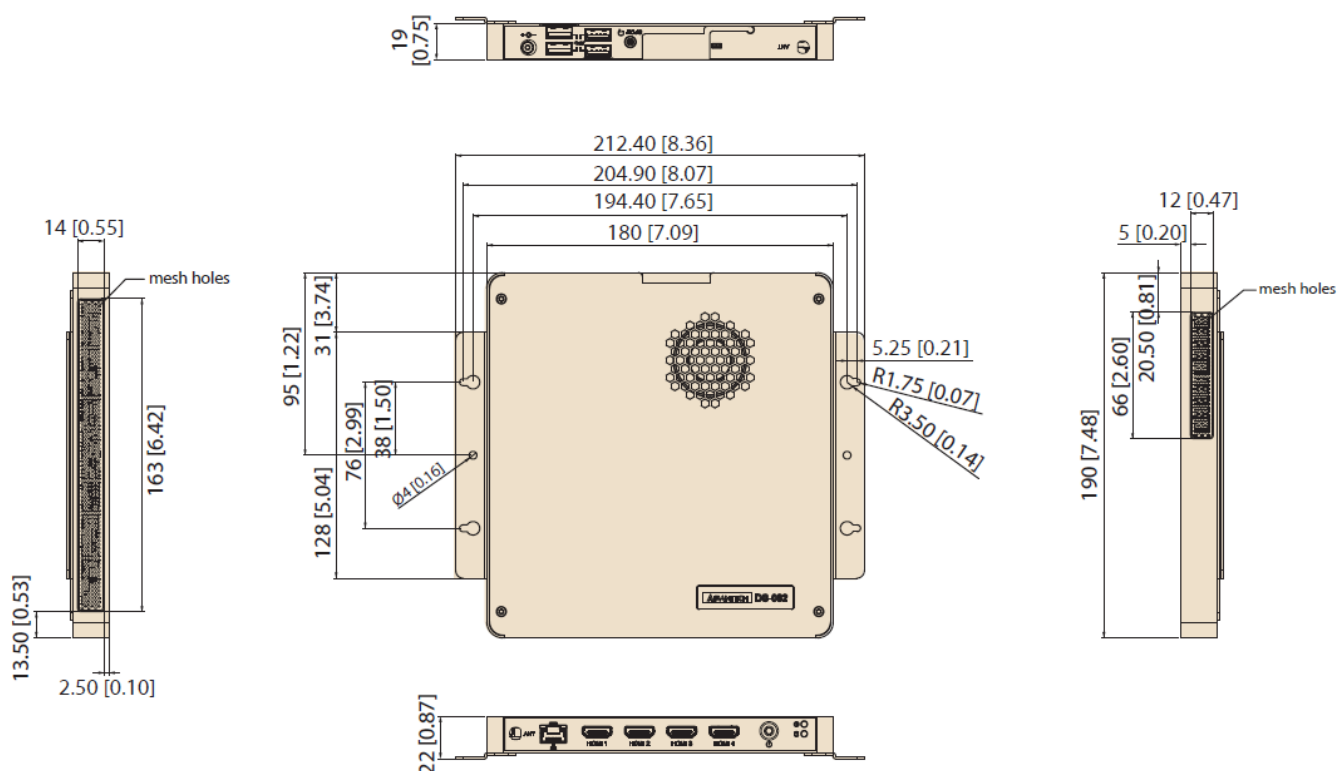
Overview

Front View
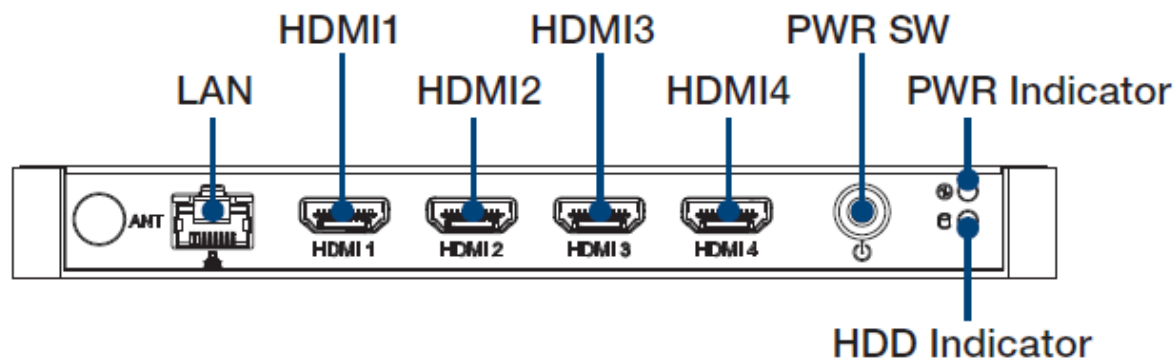
Rear View
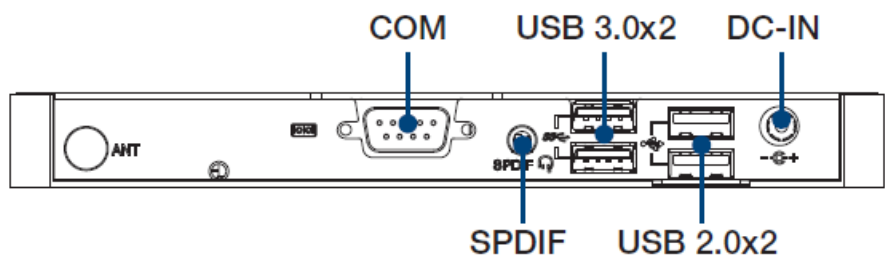
More Information

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)

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

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

Online Download: www.advantech.com/products

All product specifications are subject to change without notice.

Documents / Resources

ADVANTECH DS-082 Ultra Slim 3/4 Display Digital Signage Player [pdf] Owner's Manual
DS-082GB-U0A1E, DS-082GBF-U0A1E, DS-082 Ultra Slim 3 4 Display Digital Signage Player, DS-082, DS-082 Digital Signage Player, Ultra Slim 3 4 Display Digital Signage Player, Ultra Slim Digital Signage Player, 3 4 Display Digital Signage Player, 3 Display Digital Signage Player, 4 Display Digital Signage Player, Digital Signage Player, Digital Player, Signage Player, Player

References

- [**User Manual**](#)