

DS-081

Ultra-slim Fanless Digital Signage Player

NEW



Introduction

Measuring at 19 mm thick, DS-081 is the world's slimmest digital signage player powered by 6th/7th Generation Intel® Core™ and Intel® Celeron® Mobile-U processor. This thin-and-powerful signage player is equipped with 2x HDMI display which is capable to achieve up to 4096 x 2304 UHD resolution, and delivers a premium visual experience when graphics performance really matters. Windows® Embedded OS, Linux are supported, and Advantech WISE-PaaS/SignageCMS, web-based content management software, is also free on offer. We've designed the DS-081 in the smallest possible form factor, for optimized performance.

Specifications

		DS-081GB-U1A1E	DS-081GB-U2A1E	DS-081GB-U4A1E
Processor	Processor	Intel® Celeron 3965U	Intel® Core™ i3 6100U	Intel® Core™ i5 6300U
	Chipset	Integrated in SOC		
	BIOS	AMI uEFI 128 Mbit		
Memory	Technology	DDR4 2133MHz		
	Max. Capacity	32GB (16GB per SO-DIMM)		
	Socket	2 x 260-pin SODIMM		
Intel® AMT		N/A	N/A	Yes (LAN1)
Thermal Solution		Fanless		
Display	Graphics Engine	Intel® HD Graphics 610	Intel® HD Graphics 520	Intel® HD Graphics 520
	Output	HDMI 1.4 x 2		
	Resolution	4096 x 2304 @ 24Hz		
Ethernet	Controller	(LAN1) INTEL® I219-LM / (LAN2) Realtek RTL8111G		
	Interface	Gigabit LAN Controller		
	Connector	2 x RJ-45		
I/O Interfaces	Audio	1 (SPDIF/Line-out/ Mic-in), support Jack Sense		
	LAN	2 (RJ-45)		
	HDMI	2		
	USB 3.0	4		
	Serial Port	1 x RS-232		
	Mini-PCle (Internal)	1 (Full-size)		
	PSW	1 x Power on/off button		
	LED Indicators	1 x Power, 1 x HDD Access		
Storage	SATA	1 x 2.5-inch SATA III HDD/SSD (7 mm height)		
	mSATA	1 x Full-size		
Power Requirement	Power Management	ACPI 3.0		
	Input Voltage	19 V DC-in		
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	Win7, Win8.1 x64, Win10 x64	Win7, Win8.1 x64, Win10 x64
	Linux	supported by project		
Certifications	EMC	CE,FCC Class B,CCC,BSMI		
	Safety	UL,CB,CCC,BSMI		

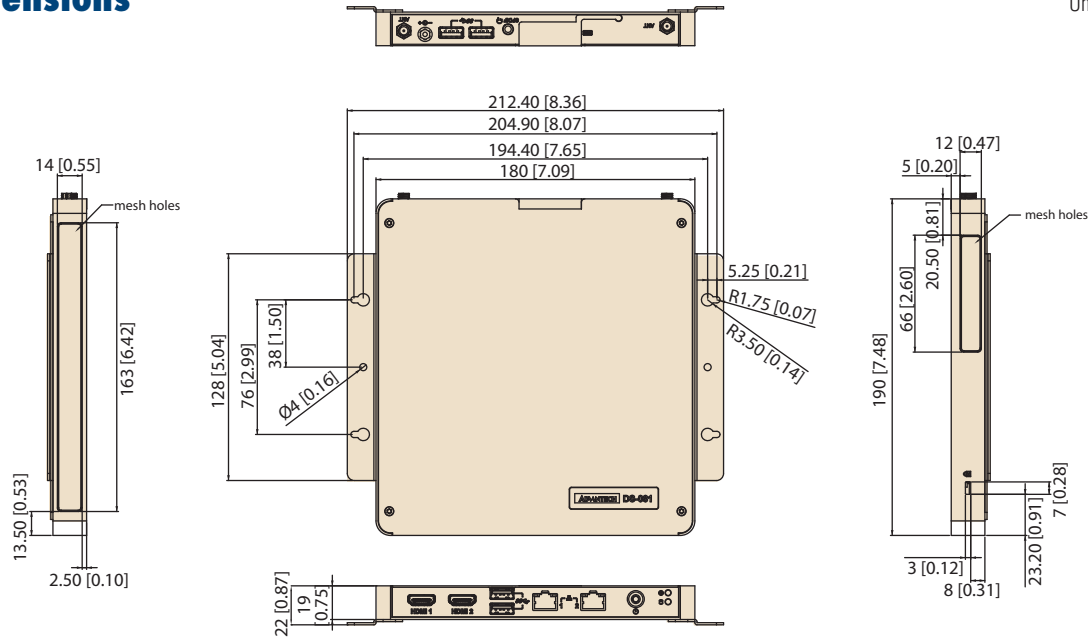
Features

- Powered by 6th/7th Gen Intel® Core™ and Intel® Celeron® processors
- Adopts embedded/non-embedded processors for different application needs
- 19mm-thin chassis ideal for space-limited installation
- Dual HDMI display output, resolution up to 4096 x 2304 UHD
- Fanless & Cable-less design for easy maintenance
- Highly expandable via internal Mini-PCle interface (M-SATA compliant)
- Supports WISE-PaaS/DeviceOn and Embedded Software APIs
- Supports WISE-PaaS/SignageCMS for intuitive signage content managing, remote monitoring and control

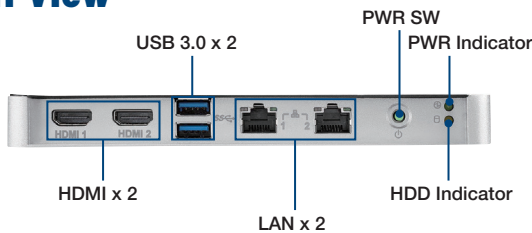
McAfee® Acronis WISE-PaaS/SignageCMS WISE-PaaS/ DeviceOn

Dimensions

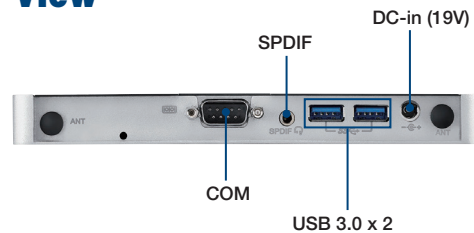
Unit: mm [inch]



Front View



Rear View



Ordering Information

Part Number	Description
DS-081GB-U1A1E	DS-081, Intel® Celeron 3965U, barebone
DS-081GB-U2A1E	DS-081, Intel® Core™ i3 6100U, barebone
DS-081GB-U4A1E	DS-081, Intel® Core™ i5 6300U, barebone

Embedded OS

Part Number	Description
2070015264	img WES7E DS-081 64b 1701 ASIA 4 MUI
2070015263	img WES7P DS-081 64b 1701 10 MUI
2070015265	img W8.1 IP DS-081 64b 1609 10 MUI
20706WX9VS0046	img W10 19VL DS-081 64b 1809 ENU (for i3/i5)
20706WX9ES0056	img W10 19EL DS-081 64b 1809 ENU (for Celeron)

Packing List

Part Number	Description
-	1 x DS-081
-	1 x 19V Power adapter
-	1 x China RoHS
-	2 x Wall Mount Brackets
-	1 x Installation DVD for Management Software
-	1 x Simplified Chinese Manual
-	1 x Traditional Chinese Manual
-	4 x Rubber foot and screws

Power Cord

Part Number	Description
1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
170203180A	3-pin power cord (UK)
1700008921	3-pin power cord with PSE (Japan)
1700019146	3-pin power cord (CCC)

Optional Items

Part Number	Description
AMO-WIFI06E	Realtek/wifi 802.11bgn/miniPCIe, cable, antenna
AMO-HSDPA02E	U-blox/HSDPA 6band/miniPCIe, cable, antenna
AMK-V005E	VESA mount kit (Generic for ARK-DS/DS)
AMK-V017E	DS products VESA with Din Rail bracket