

# 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	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 (No RED certification)		

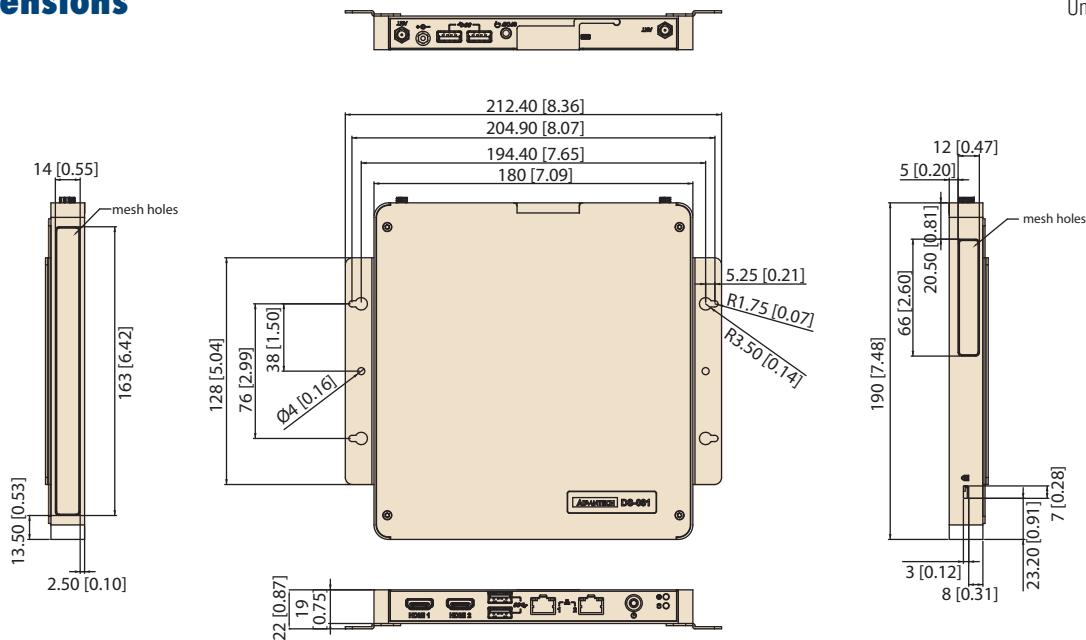
### Features

- 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

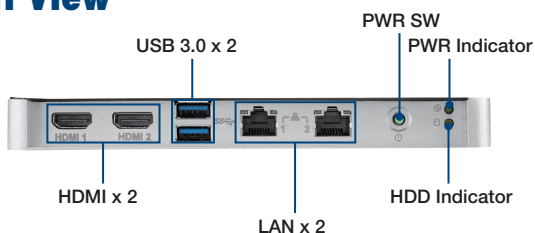
McAfee® Acronis WISE-PaaS/SignageCMS WISE-PaaS/ DeviceOn

## Dimensions

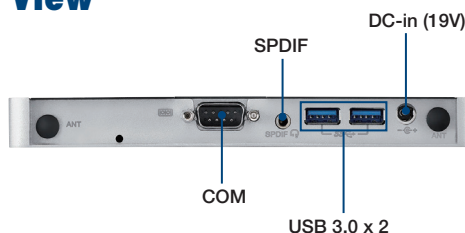
Unit: mm [inch]



## 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