DS-081

Ultra-slim Fanless Digital Signage Player

Windows Embedded Windows 7 Windows 8 Windows10

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-PCIe interface (M-SATA compliant)
- Supports WISE-PaaA/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

Introducton

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

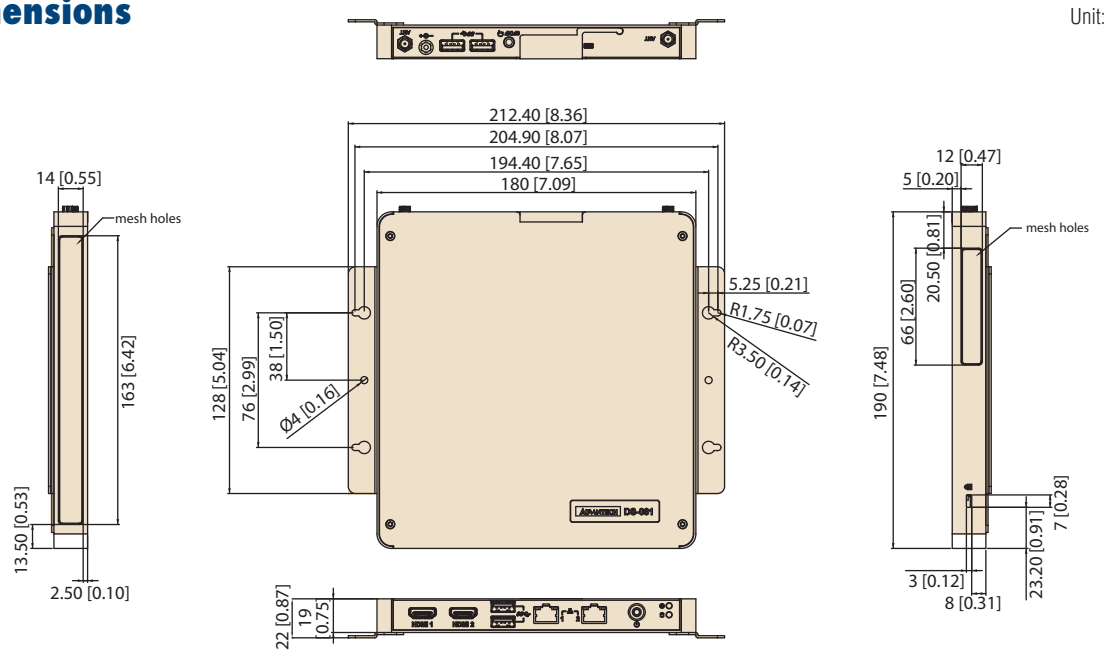
		DS-081GB-U1A1E	DS-081GB-U5A1E	DS-081GB-U2A1E	DS-081GB-U4A1E
Processor	Processor	Intel® Celeron 3965U	Intel® Core™ i5 7200U	Intel® Core™ i3 6100U	Intel® Core™ i5 6300U
	Chipset	Integrated in SOC			
	BIOS	AMI uEFI 128 Mbit			
Memory	Technology	DDR4 2133MHz			
	Max. Capacity	32GB (16GB per SO-DIMM)			
	Socket	2 x 260-pin SODIMM			
Intel® AMT		N/A	N/A	N/A	Yes (LAN1)
Thermal Solution		Fanless			
Display	Graphics Engine	Intel® HD Graphics 610	Intel® HD Graphics 620	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-PCIe (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 (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	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			

All product specifications are subject to change without notice.

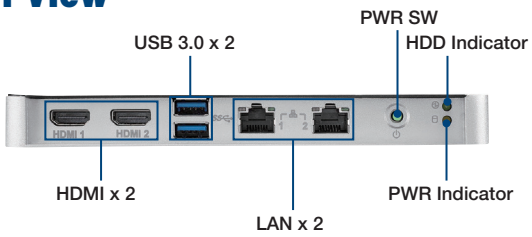
Last updated: 19-Dec-2019

Dimensions

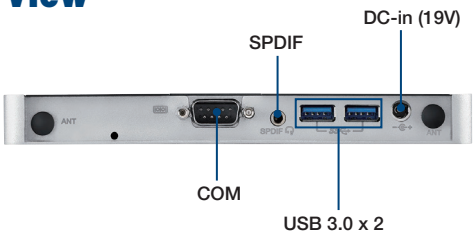
Unit: mm [inch]



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
DS-081GB-U5A1E	DS-081, Intel® Core™ i5 7200U, barebone

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

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)

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