DS-081

6th Gen. Intel® Core™ i3/i5 Ultra-slim Digital Signage Player

Preliminary

Features

- Power by IntelR Core™ i5-6300U/6200U, Core™ i3-6100U 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-PaaS/RMM and Embedded Software APIs
- Supports WebAccess/IMM for intuitive signage content managing, remote monitoring and control

(intel) Security

Acronis **WebAccess/IMM** **WISE-PaaS/RMM**

Windows Embedded Windows 7   Windows 8   Windows 10

Intel Intelligent Systems Alliance Premier
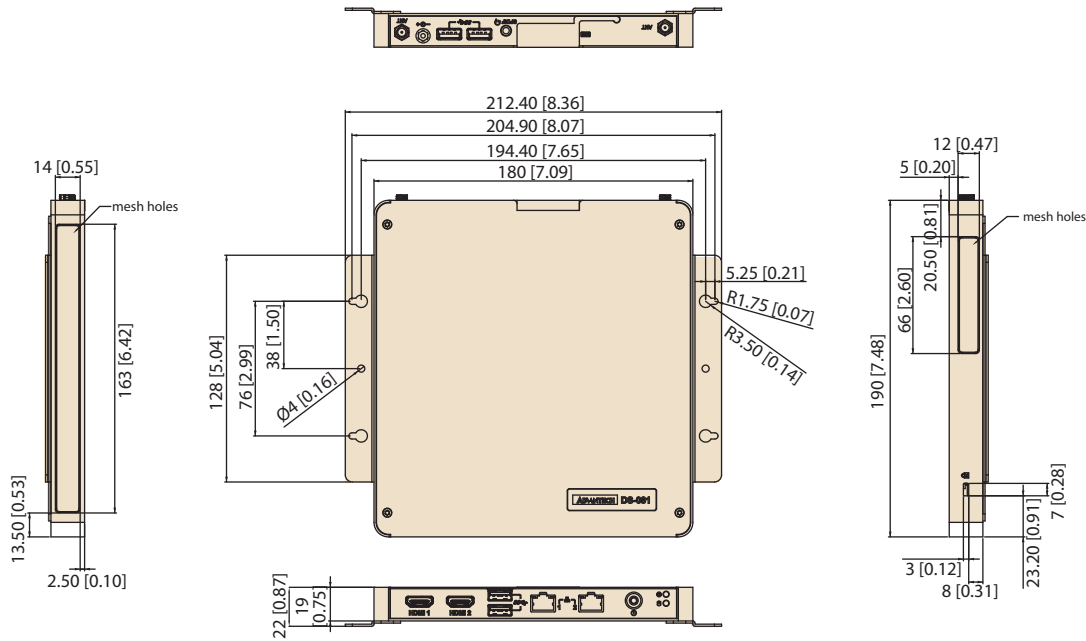
Introducton

Measuring at 19 mm thick, DS-081 is the world's slimmest digital signage player powered by 6th Generation Intel® Core™ i5 processors. 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 WebAccess/IMM, 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.
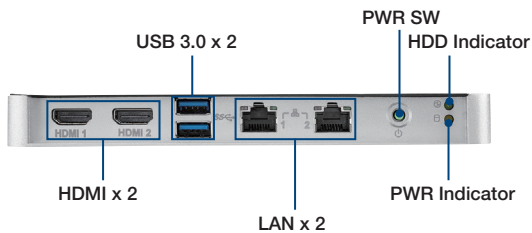
Preliminary Specifications

Processor system	Processor	Intel Core i5-6300U/Core i5-6200U/Core i3-6100U
	PCH 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
Thermal Solution		Fanless
Display	Graphics Engine	Intel® HD Graphics 520
	Output	HDMI x 2
	Resolution	4096 x 2304 @ 24Hz
Ethernet	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	Easy mounting kits for LCD or Plasma
	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
Software Development Kit	Operating System	Supports Win7 x64/x86, Win8.1 x64, Win10 x64
	Linux	supported by project
Certifications	EMC	CE,FCC Class B,CCC,BSMI
	Safety	UL,CB,CCC,BSMI

Dimensions

Unit: mm [inch]

14 [0.55]
mesh holes
163 [6.42]
13.50 [0.53]
2.50 [0.10]

212.40 [8.36]
204.90 [8.07]
194.40 [7.65]
180 [7.09]

128 [5.04]
38 [1.50]
76 [2.99]
Ø4 [0.16]

5.25 [0.21]
R1.75 [0.07]
R3.50 [0.14]

12 [0.47]
5 [0.20]
20.50 [0.81]
66 [2.60]
mesh holes
190 [7.48]
7 [0.28]
23.20 [0.91]
3 [0.12]
8 [0.31]

22 [0.87]
19 [0.75]

HDMI 1 HDMI 2

Front View

USB 3.0 x 2

PWR SW
HDD Indicator

HDMI 1 HDMI 2

HDMI x 2

LAN x 2

PWR Indicator

Rear View

SPDIF

DC-in (19V)

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USB 3.0 x 2
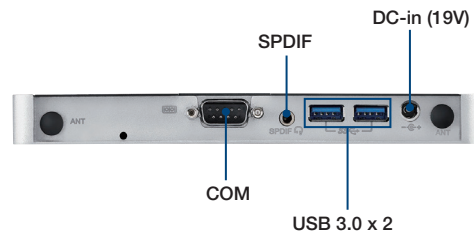
Packing List

Part Number	Description
-	1 x DS-081
-	1 x 19V Power adapter
-	1 x China RoHS
-	2 x Wall Mount Brackets
-	1 x WebAccess/IMM & WISE-PaaS/RMM installation DVD
-	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)