

# DS-780

## 6th Generation Intel® Core™ U series Fanless Signage Player with Triple Independent Display Support

**NEW**



### Features

- Advanced graphics engine with Intel Iris 540 / HD 520
- Supports 4K/Ultra HD resolution by HDMI 2.0 and HEVC video decoding
- Integrated with Dual channel DDR4 2133 SO-DIMM
- Flexibility for expansion (Mini PCIe and M.2 2230/1630 E Key) and storage devices (2.5" SATA III HDD/SSD,m-SATA)
- Content management software built-in for content editing, scheduling and remote monitoring functions

Acronis WebAccess/IMM WISE-PaaS/RMM

### Introduction

Advantech DS-780 is a high performance, low power Digital Signage Player with advanced features. It is a fanless solution powered by a 6th generation Intel® Core™ U series processor. DS-780 supports 4K resolution HDMI output. DS-780 storage can be easily maintained via its slide-in chassis design. As a high performance and fanless solution, DS-780 is ideal for single to triple display applications in stores, lobbies, restaurants, FIDS, hotels and other public spaces requiring displays.

### Specifications

		DS-780GB-U6A1E / DS-780GB-U4A1E / DS-780GB-U3A1E	DS-780GB-S9A1E	DS-780GB-U2A1E / DS-780GB-U0A1E
Processor	CPU	i7-6600U/ i5-6300U/ i3-6100U	Celeron-3955U	*i7-6650U/ i5-6360U
	BIOS	AMI uEFI 128 Mbit		
	Chipset	Integrated in CPU		
Memory	Technology	DDR4 2133MHz		
	Max. Capacity	32GB (up to 16GB per SO-DIMM)		
	Socket	2 x 260-pin DDR4 SO-DIMM		
	Chipset	Integrated in CPU		
Display	Graphics Engine	Intel HD Graphics 520	Intel HD Graphics 510	Intel® Iris graphics 540
	Graphic Memory	Share System Memory		
	Multiple Display	Triple		
	Interface	3x HDMI Ports (Port 1: HDMI 2.0, Port 2: HDMI 1.4 (CEC support) **Port 3: HDMI 1.4)		
	Resolution	True 4K (4096 x 2160 @60Hz)		
Expansion Interface	Mini PCIe	1		
	M.2	1 (2230/1630 E Key)		
Ethernet	Controller	Intel I219 & Realtek 8111G		
	Speed	10/100/1000 Mbps		
	Connector	2 x RJ45		
Audio	Chipset	ALC892		
	Connector	1 (SPDIF/ Line-out/ Mic-in), support Jack Sense		
Storage	SATA	1 x 2.5-inch SATA III HDD / SSD (7mm Height)		
	m-SATA	1		
I/O	USB 3.0	4		
	Serial Port	1 x RS232		
	LAN	2		
	SIM Socket	1 (option)		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	Programmable by WISE-PaaS/RMM		
Power Requirement	Power Type	ATX/ AT		
	Power Input Voltage	DC 19V input		
	Power Consumption (Idle)	8.35W (Core i7-6650U, w/o expansion)		
	Power Consumption (Full Load)	23.3W (Core i7-6650U, w/o expansion)		
	Power Adaptor	Input 100 ~ 240 V <sub>ac</sub> , Output 19 V <sub>ac</sub> , 65W		
Environment	Operational Temperature	0 ~ 40° C (32 ~ 104° F) with 0.7m/s air flow		
	Operational Humidity	95% @ 40° C (non-condensing)		
	Vibration Resistance	1.0 Grms, 5-500Hz, Reference IEC60068-2-64 Testing procedures		
	Weight	1.5 kg (3.3 lb)		
Physical	Dimensions (W x D x H)	235 x 175 x 35mm		
	Mounting	VESA/Desk/Wall/Din Rail		
	Microsoft Windows	Win7 x64/x86, Win8.1 x64, Win10 x64		
Operating System	Linux	By project support		
	Android	-		
	SUSIAccess	Yes		
APIs	Others	Yes, McAfee, Acronis		
	EMC	CE/FCC Class B, CCC, BSMI		
Certifications	Safety	UL, CB, CCC, BSMI		

\*i7-6650U/ i5-6360U is non-embedded sku and limited offering until 2017/6/30

\*\*Port 3:HDMI 1.4 without audio / HDCP / hot plug and no display in BIOS and DOS

**ADVANTECH**

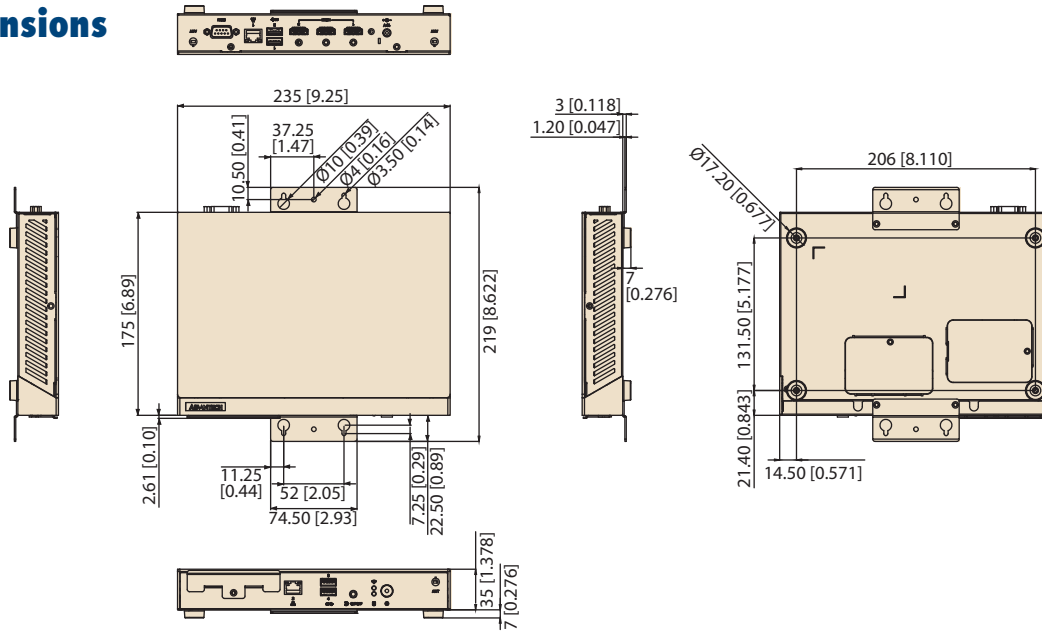
**Digital Signage Player**

All product specifications are subject to change without notice

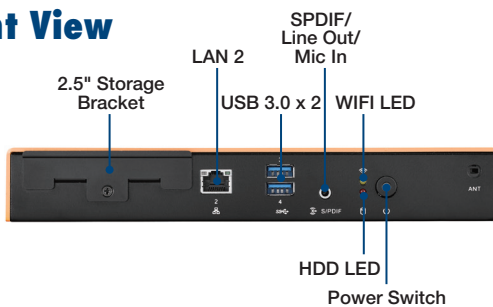
Last updated : 8-Feb-2017

## Dimensions

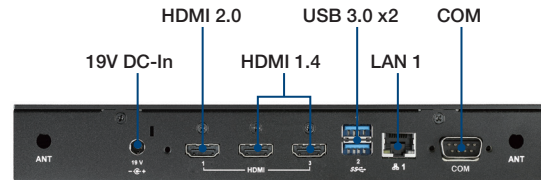
Unit: mm [inch]



## Front View



## Rear View



## Ordering Information

Part Number	Description
DS-780GB-U6A1E	DS-780, Intel Skylake-U i7-6600U, Barebone
DS-780GB-U4A1E	DS-780, Intel Skylake-U i5-6300U, Barebone
DS-780GB-U3A1E	DS-780, Intel Skylake-U i3-6100U, Barebone
DS-780GB-S9A1E	DS-780, Intel Skylake-U CLN-3955U, Barebone
DS-780GB-U2A1E	DS-780, Intel Skylake-U i7-6650U, Barebone
DS-780GB-U0A1E	DS-780, Intel Skylake-U i5-6360U, Barebone

## Power Cord

Part Number	Description
1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
170203180A	3-pin power cord (UK)
1702031836	3-pin power cord (AU)
1700008921	3-pin power cord (Japan)
1700019146	3-pin power cord (China)

## Packing List

Part Number	Description
-	1 x DS-780 Unit
-	1 x Power Adapter
-	1 x Bracket set for fixing power adapter plug
-	2 x Mounting Brackets
-	1 x User Manual
-	1 x Content Management Software
-	4 x Foot rubers and screws

## Mounting Kits

Part Number	Description
AMK-V005E	VESA mount kit (Generic for ARK-DS/DS)
AMK-V017E	DS products VESA with Din Rail bracket

## Optional Items

Part Number	Description
AMO-WIFI06E	Realtek/wifi 802.11bgn/miniPCIe, cable, antenna
AMO-HSDPA02E	U-blox/HSDPA 6band/miniPCIe, cable, antenna

## Embedded OS Image

Part Number	Description
2070014495	Img WES7E DS-780 x64 V5.7.0 EN/JP/SC/TC
2070014788	img WES7P DS-780 64bit 1609 Eng
2070014686	Img WE8.1 IndPro DS-780 x64 V1.0
2070014558	img Win10Ent DS-780 x64 V10.0.10240.0 10MU1