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# DS-370

## Intel® Celeron® Quad Core J1900 Fanless Digital Signage Player

**NEW**



### Features

- Intel® Celeron® J1900 low power Quad-Core SoC platform with fanless design
- 64GB Micro SSD on board storage for fast system boot & file read/write
- Supports Full HD output for simultaneous dual displays
- Expandable Mini-PCIe interface (e.g. WLAN, 3G)
- Content management software built-in for content editing, scheduling and remote monitoring functions

### Introduction

Advantech DS-370 is fanless, low power Digital Signage Player. It supports Full HD output for simultaneous dual displays. It's not only a cost effective signage player, but also has an on-board 64GB Micro SSD to speed up system response times. The storage of DS-370 can be easily maintained via its slide in chassis design. DS-370 is pre-loaded with SUSIACCESS for Signage software for broadcast scheduling, content editing, and remote monitoring functions. As a cost effective solution, DS-370 is ideal for single or dual-display applications in public spaces.

### Specifications

Processor System	CPU	Intel® Celeron™ Processor J1900 Quad Core 2.0 GHz SoC
	BIOS	AMI uEFI 64 Mbit
Memory	Technology	DDR3L 1333MHz
	Socket	2 x 204-pin SO-DIMM*
	Max. Capacity	8GB (up to 4GB per SO-DIMM)
Display	Processor Graphics	Intel® HD Graphics
	Max. Resolution	VGA: 2048 x 1280 @ 60Hz HDMI: 1920 x 1080 @ 60Hz DP++: 1920 x 1080 @ 60Hz
	Output	Dual Display
	Graphic Engine	DirectX 11.1, OGL 3.0, OCL 1.1, OGL ES 2.0 Encode: H.264, MPEG2/4, VC1, WMV9 Decode: H.264, MPEG2
Storage	SATA	1 x 2.5-inch SATA II HDD / SSD (7mm Height)
	Others	64GB on-board Micro SSD, or mSATA via MiniPCIe slot**
Ethernet	Interface	Gigabit LAN Controller
	Controller	Intel I211
I/O Interface	HDMI	1
	DP++	1
	VGA	1
	LAN	2
	USB 2.0	3
	USB 3.0	1
	Audio	1 x Mic-in, 1x SPDIF/ Line-Out (support jack-sense via OS setting)
	Serial Ports	2 x RS-232
	Mini-PCIe	2 x Full-size Mini PCIe
	SIM Socket	1 x SIM card size (Optional)
Power Input	1 (DC-in jack)	
Power Requirement	Management	ACPI 3.0
	Power Consumption Input Voltage	Idle Mode: 4.39W (w/o expansion) Full Mode: 10.85W (w/o expansion)
	Input Voltage	19V DC-in (ATX/AT mode, default ATX)
	Others	Supports boot on power back and schedule boot up function
Watchdog Timer	Output	Interrupt, system reset
	Interval	Programmable by SUSIAccess
Physical Characteristics	Mounting	Supports VESA/DIN Rail/Wall Mounting (Optional)
	Dimensions (W x D x H)	204 x 118.2 x 44.2 mm
	Weight	1.275 kg
Environment	Operating Temperature	0 ~ 40° C (32 ~ 104° F) (w / HDD)
	Relative Humidity	95% @ 40° C (non-condensing)
Software Support	Microsoft Windows	WES7E, Windows 7, WE8S, Windows 8
	Linux	Linux Fedora 20
Certification	EMC	CE/FCC Class B, CCC, BSMI
	Safety	UL, CB, CCC, BSMI

\* If only one RAM, please insert it into SO-DIMM 1 slot and boot up.

\*\* 64GB on-board Micro SSD(PN:DS-370GF-U0A1E,DS-370GQ-U0A1E); mSATA is only supported by DS-370GB-U0A1E

**ADVANTECH**

**Digital Signage Player**

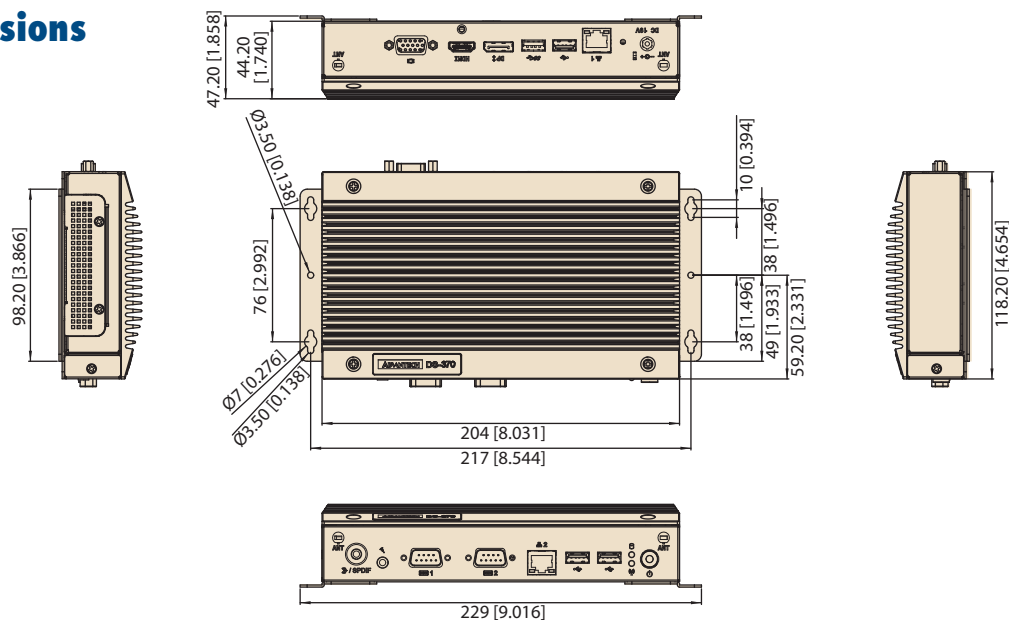
All product specifications are subject to change without notice

Last updated : 1-Aug-2015



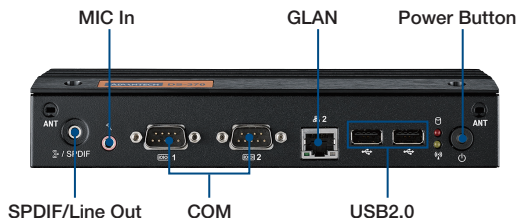
## Dimensions

Unit: mm [inch]

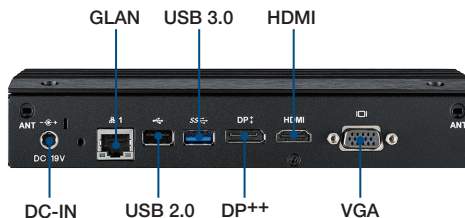


## DS-370 External I/O

Front



Rear



## Packing List

Part Number	Description
-	1 x DS-370 Unit
-	1 x Power Adapter (DC 19V/3.42A 65W)
-	1 x Bracket set for fixing power adapter plug
-	2 x Mounting Brackets
-	1 x User Manual (Simplified Chinese)
-	1 x Content Management Software

## 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)

## Ordering Information

Part Number	Description
DS-370GB-U0A1E	DS-370, Intel J1900, Barebone
DS-370GF-U0A1E	DS-370, Intel J1900, 64GB on board Micro SSD, 4G RAM
DS-370GQ-U0A1E	DS-370, Intel J1900, 64GB on board Micro SSD, 4G RAM, WES7E

## Mounting Kits

Part Number	Description
AMK-V005E	VESA mount kit (Generic for ARK-DS/DS)
AMK-V012E	DS-3XX ARM/VESA Mount Kit

## Optional Items

Part number	Description
AMO-WIFI06E	Realtek/wifi 802.11bgn/miniPCle, cable, antenna
AMO-WIFI07E	DHXA/wifi802.11abgn+BT4.0/miniPCle, cable, antenna
AMO-HSDPA02E	U-blox/HSDPA 6band/miniPCle, cable, antenna
AMO-SS01E	Advantech/64G SSD Module Package with SUSIAccess for Signage

## Embedded OS

Part Number	Description
2070013687	Image DS-370 WES7E x64 v5.6.8 EN/TC/SC/JP
2070013688	Image DS-370 WES7P x64 v5.6.6 10MUI
2070013356	Image WES8 DS-370 V6.5.2 10multi