

# DS-370

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

**NEW**


### 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.



### 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-PCle interface (e.g. WLAN, 3G)
- Content management software built-in for content editing, scheduling and remote monitoring functions

### 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<br>HDMI: 1920 x 1080 @ 60Hz<br>DP++: 1920 x 1080 @ 60Hz                         |
|                          | Output                          | Dual Display                                                                                            |
|                          | Graphic Engine                  | DirectX 11.1, OGL 3.0, OCL 1.1, OGL ES 2.0<br>Encode: H.264, MPEG2/4, VC1, WMV9<br>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 MiniPCle 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-PCle                       | 2 x Full-size Mini PCle                                                                                 |
|                          | 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)<br>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               | WESTE, Windows 7, WEBS, 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

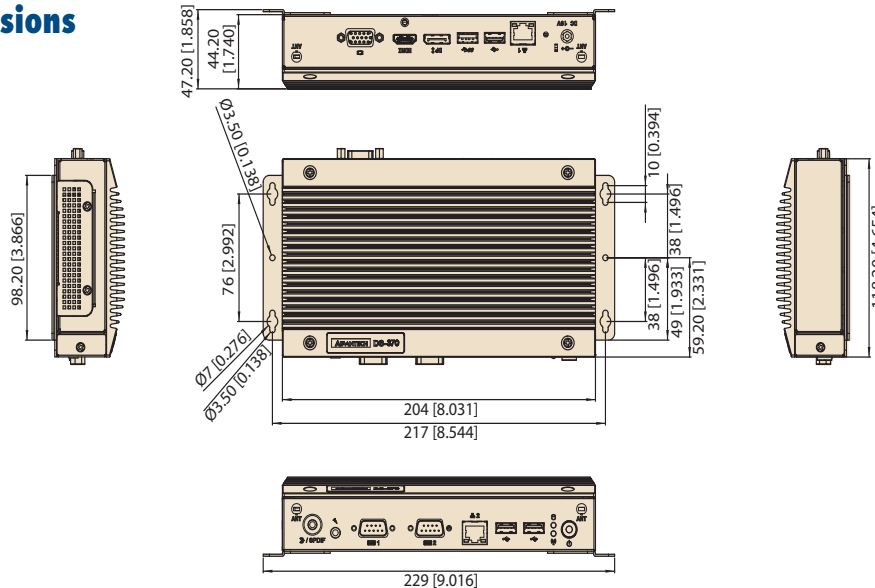
All product specifications are subject to change without notice

Last updated : 25-Mar-2015

## DS-370

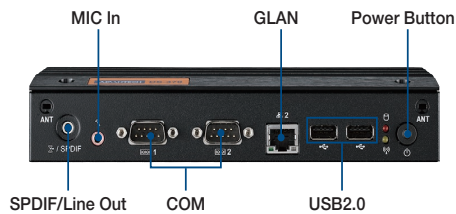
### Dimensions

Unit: mm [inch]

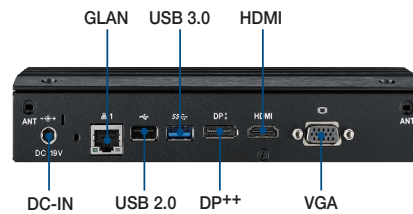


### DS-370 External I/O

#### 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) |

### 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                                 |
|-------------|---------------------------------------------|
| 2070013340  | Image WES7E DS-370 V5.6.8 ENG/SC/TC/JPN;SAS |
| 2070013355  | Image WES7P DS-370 V5.6.6 10 multi;SAS      |
| 2070013356  | Image WES8 DS-370 V6.5.2 10multi            |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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