

DS-370

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

NEW



Features

- Intel® Celeron® J1900 quad-core, low-power, fanless SoC platform
- Rich I/O interface for devices or wireless module connection
- Supports full HD dual display
- Mini PCIe interface for easy expansion (e.g., WLAN and 3G)
- Built-in content management software for content editing, scheduling, and remote monitoring

Acronis WebAccess/IMM WISE-PaaS/RMM

Introduction

Advantech's DS-370 is a low-power, fanless digital signage player that supports full HD dual displays. DS-370 is also equipped with a rich I/O interface for devices or wireless module connection and features a slide-in chassis design for easy maintenance. To enable easy signage network management, DS-370 comes bundled with dedicated signage software, WebAccess/IMM, and WISE-PaaS/RMM remote device management software, allowing the customer to manage digital signage networks installed in multiple locations with less effort at no extra cost. DS-370 provides the ideal cost-effective solution for single or dual-display applications in public spaces.

Specifications

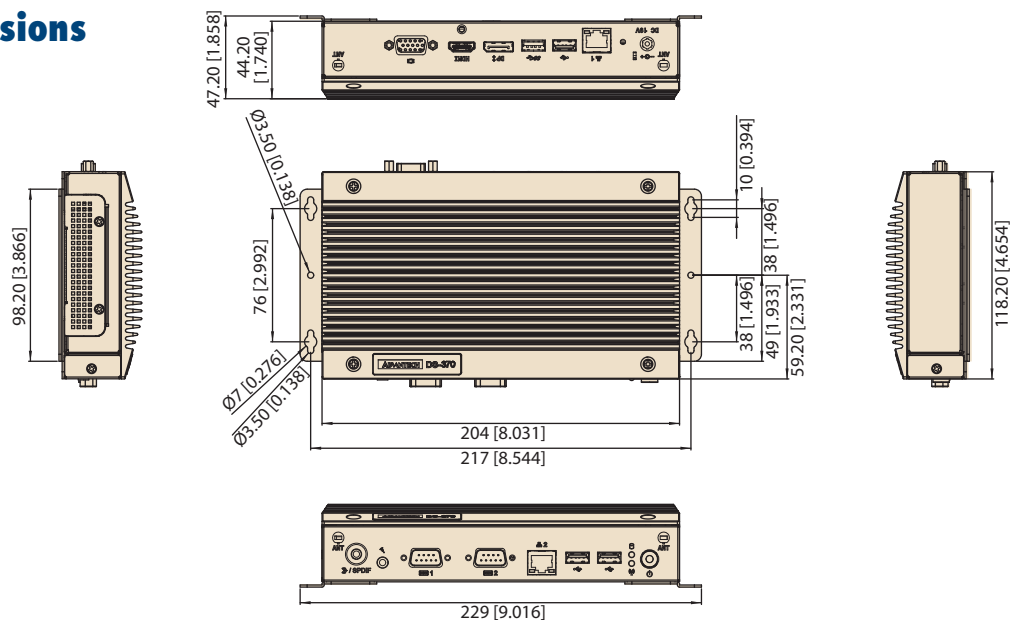
| | | |
|--------------------------|------------------------|--|
| Processor System | CPU | Intel® Celeron® J1900 quad-core 2.0 GHz SoC processor |
| | BIOS | AMI uEFI 64-Mbit |
| Memory | Technology | DDR3L 1333 MHz |
| | Socket | 2 x 204-pin SODIMM* |
| | Max. Capacity | 8 GB (up to 4 GB per SODIMM) |
| 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 displays |
| | Graphics 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 (7 mm height) |
| | Others | mSATA, via the mini PCIe slot** |
| Ethernet | Interface Controller | Gigabit LAN 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, 1 x SPDIF/ Line Out (supports jack sensing via OS settings) |
| | Serial Ports | 2 x RS-232 |
| | Mini PCIe | 2 x Full-size mini PCIe |
| | SIM Socket | 1 x SIM card (optional) |
| Power Requirement | Power Input | 1 (DC-in jack) |
| | Management | ACPI 3.0 |
| | Power Consumption | Idle mode: 4.39 W (w/o expansion) Full mode: 10.85 W (w/o expansion) |
| Watchdog Timer | Input Voltage | 19 V DC in (ATX/AT mode, default ATX) |
| | Others | Supports boot on power restore and scheduled boot up functions |
| Physical Characteristics | Output Interval | Interrupt, system reset |
| | Mounting | Programmable by SUSIAccess |
| | Dimensions (W x D x H) | Supports VESA/DIN rail/wall mounting (optional) |
| Environment | Weight | 204 x 118.2 x 44.2 mm 1.275 kg |
| | Operating Temperature | 0 ~ 40 °C (32 ~ 104 °F) (w/HDD), 0 ~ 50 °C (32 ~ 122 °F) (w/SSD, Tc spec. need above 85°C) |
| | Relative Humidity | 95% @ 40 °C (non-condensing) |
| | Random Vibration | 1 Grms /5-500Hz /Operation |
| Software Support | Shock | 10G (11ms)/Operation, 30G (11ms)/Non-operation |
| | Microsoft Windows | Windows 7, Windows 8 |
| Certification | Linux | Linux Fedora 20 |
| | EMC | CE/FCC Class B, CCC, BSMI |
| | Safety | UL, CB, CCC, BSMI |

*If only one RAM, please insert it into the SODIMM 1 slot before booting up.

**64 GB of onboard micro SSD: Supported by T-part processes.

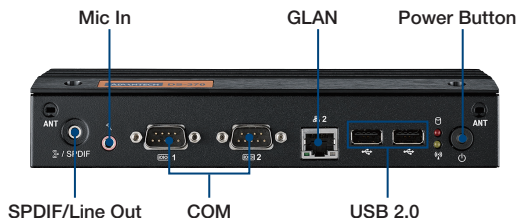
Dimensions

Unit: mm [inch]

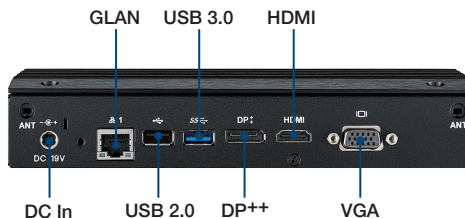


DS-370 External I/O

Front



Rear



Packing List

| Part Number | Description |
|-------------|---|
| - | 1 x DS-370 unit |
| - | 1 x Power adapter (DC 19 V/3.42A 65 W) |
| - | 1 x Bracket set for fixing power adapter plug |
| - | 2 x Mounting brackets |
| - | 1 x User manual |
| - | 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 unit |
| DS-370GF-U0A1E | DS-370, Intel J1900, 64GB 2.5" SATA SSD, 4G RAM |
| DS-370GQ-U0A1E | DS-370, Intel J1900, 64GB 2.5" SATA 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 |
| AMK-V017E | DS products VESA with Din Rail bracket |

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 10MUJ |
| 2070013356 | Image WE8S DS-370 V6.5.2 10 multi |
| 2070014786 | img W10 16EL DS-370 64bit 1609 Eng |

Optional Items

| Part Number | Description |
|--------------|---|
| AMO-WIFI06E | Realtek/Wi-Fi 802.11bgn/mini PCIe module with cable and antenna |
| AMO-HSDPA02E | U-blox/HSDPA 6 band/mini PCIe module with cable and antenna |