Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

## Contact us

# ARK-DS762

3rd Generation Intel® Core™ i7/i5/i3
Digital Signage Platform with 3 x HDMI
Independent Display

## Features

- 3rd generation Intel® Core™ i7/i5/i3 processor, up to 45W
- Supports Direct X11, and OCL 1.1
- 3 independent displays; 3 x HDMI
- Flexibility for expansion and storage options (HDD/Cfast/Mini PCIe/USB2.0 & 3.0)
- 19 VDC power input , supports DC power hot plug
- Operating temperature: 0 ~ 40° C (0 ~ 50° C is an option)
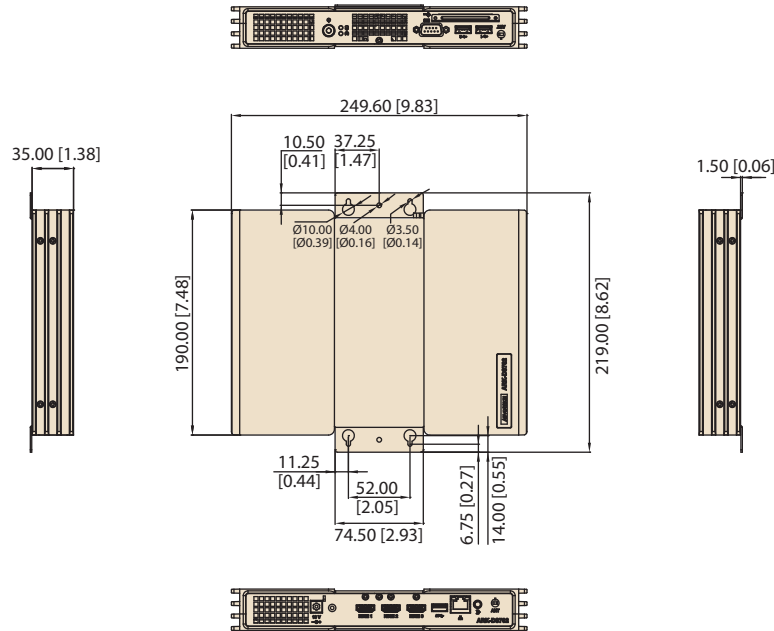- Supports iManager, SUSIAccess and Embedded Software APIs

*Acronis* | McAfee | SUSIAccess | iManager

Windows Embedded | Windows 7 | Windows XP Professional | Windows 8

## Specifications

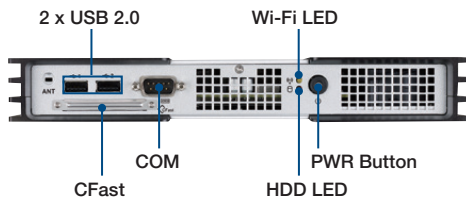| Category | Item | Specification |
|---|---|---|
| Processor System | CPU | 3rd Gen. Intel Core i7/i5/i3 CPU, (uPGA 988B socket, up to 45W) |
| | System Chipset | QM77 |
| | BIOS | AMI uEFI 64 Mbit |
| Memory | Technology | 2 x DDR3 204-pin SODIMM |
| | Max. Capacity | 16 GB (up to 8 GB per each SODIMM) |
| Display | Chipset | Embedded in Processor |
| | Processor Graphics | Intel HD Graphics 4000 |
| | Output | 3 x HDMI |
| | Resolution | HDMI: Supports 1920 x 1080p at 60 Hz, 36 bpp, Supports HDMI v1.3 |
| Storage | SATA | 1 x 2.5-inch SATA II HDD/SSD (support 9.5 mm / 7 mm height) |
| | Cfast (socket) | 1 |
| Ethernet | Interface | Gigabit LAN Controller |
| | Controller | Intel 82579LM |
| | Connector | 1 x RJ-45 |
| Audio | Chipset | Realtek ALC892, High Definition Audio(HD) |
| I/O Interface | HDMI | 3 (Support CEC) |
| | LAN | 1 (RJ-45) |
| | USB 2.0 | 2 |
| | USB 3.0 | 1 |
| | Audio | 1 audio phone jack for Line-Out, Jack sensor support via OS setting |
| | Serial | 1 x COM (RS-232) |
| | Mini-PCIe (Internal) | 1 (for optional expansion modules) |
| | Power input | 1 (DC-in Jack) |
| Power Requirement | Management | ACPI 3.0 |
| | Power Consumption | 17.4W (idle)<br>43.8W (full load) |
| | Input Voltage | 19 V 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 | Easy mounting kits for LCD or Plasma |
| | Dimensions (W x D x H) | 249.6 x 190.0 x 35 mm |
| | Weight | 2.0 kg (4.41 lb) |
| Environment | Operating Temperature | 0 ~ 40° C (32 ~ 104° F) (w / HDD); 0 ~ 50° C (32 ~ 122° F) (w / SSD) |
| | Relative Humidity | 95% @ 40° C (non-condensing),Operating |
| | Vibration Resistance | 0.2 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis. |
| Software Development Kit | Operating System | Supports Microsoft Windows 8, Windows 7, XP Embedded |
| | EWF & WDT SDK | EWF and WDT library for signage stability design in Windows OS |
| | Linux | Linux CentOS, Fedora 14 |
| Certifications | Electromagnetic | CE/FCC Class B, CCC, BSMI |
| | Safety | UL, CCC, BSMI |

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**ADVANTECH** | **Digital Signage Platforms**

# Dimensions

Unit: mm [inch]



## ARK-DS762 External I/O

**Front**

2 x USB 2.0    Wi-Fi LED



CFast    COM    HDD LED    PWR Button

**Rear**

3 x HDMI    LAN



DC-in Jack    USB3.0    Line_Out
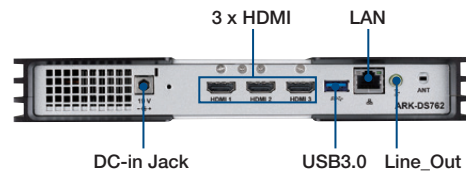
## Packing List

| Part Number | Description |
| --- | --- |
| - | 1 x ARK-DS762 Unit |
| - | 1 x Driver/Utility DVD/Manual |
| - | 1 x User Manual (Simplified Chinese) |
| - | 1 x Power adapter AC-DC 100-240V, 90W |
| - | 1 x China RoHS |
| - | 1 x Mounting bracket kit |

## Ordering Information

| Part Number | Description |
| --- | --- |
| ARK-DS762GQ-U3A1E | Intel 3rd Gen. Core i7-3610QE, 4G RAM, 250G HD, WES7P w/ SUSIAccess Pro |
| ARK-DS762GQ-U2A1E | Intel 3rd Gen. Celeron 1020E, 4G RAM, 250GB HD, WES7P w/ SUSIAccess Pro |
| ARK-DS762GB-00A1E | Intel 3rd Gen. Core i7/5/3 Digital Signage computer box (barebone) |
| 96MPI7M-2.3-6M9T | Intel 3rd Gen. Core i7-3610QE Quad Core CPU 2.3GHz |
| 96MPI5-2.7-3M9T | Intel 3rd Gen. Core i5-3610ME Dual Core CPU 2.7GHz |
| 96MPI3M-2.4-3M9T | Intel 3rd Gen. Core i3-3120ME Dual Core CPU 2.4GHz |
| 96MPCM-2.2-2M9T | Intel Celeron 1020E Dual core CPU 2.2GHz |

## Embedded OS

| Part Number | Description |
| --- | --- |
| 2070011542 | IMG WES7P (32-bit) ARK-DS762 V5.1.2 ENG/TC/SC/JP w/ SA Pro |
| 2070011223 | IMG WES7E (32-bit) ARK-DS762 V5.1.3 ENG/TC/SC/JP w/ SA Pro |
| 2070011553 | IMG XPE WES09 ARK-DS762 V4.1 24 muti w/ SA Pro |
| 2070011686 | IMG WES7E (64-bit) ARK-DS762 V5.6.4 ENG w/ SA Pro |
| 2070011749 | IMG WES7P (64-bit) ARK-DS762 V5.6.3 ENG w/ SA Pro |

## 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) |

## Accessories

| Part Number | Description |
| --- | --- |
| AMO-WIFI06E | Wi-Fi 802.11 b/g/n Mini-PCIe module (w/ antenna) |
| AMO-HSDPA02E | 3.75G HSDPA Mini-PCIe module |
| AMK-V005E | VESA mount kit |