

# 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

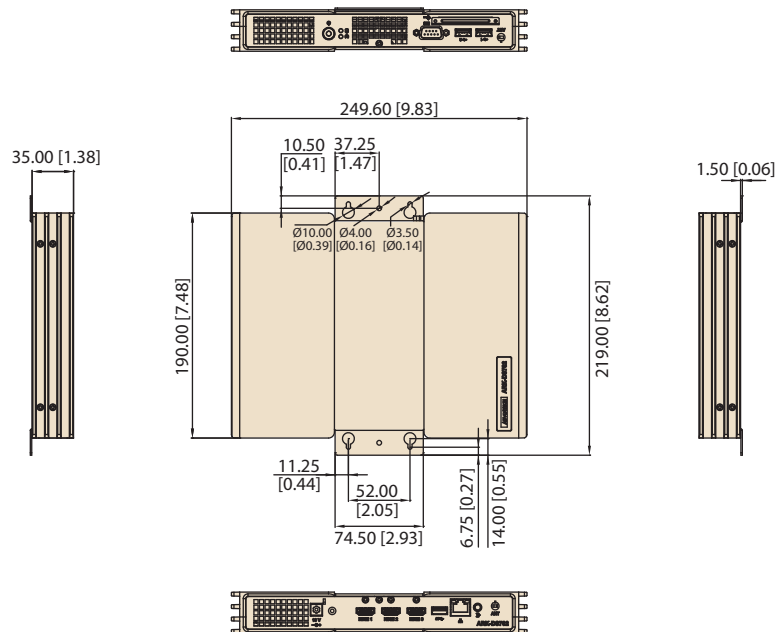
Windows Embedded Windows 7 Windows XP Professional Windows 8

### Specifications

|                          |                        |                                                                      |
|--------------------------|------------------------|----------------------------------------------------------------------|
| 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 Requirement        | Power input            | 1 (DC-in Jack)                                                       |
|                          | 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                                                        |

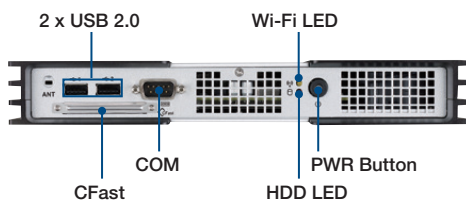
## Dimensions

Unit: mm [inch]

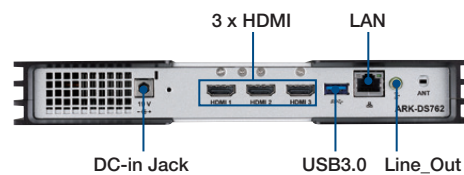


## ARK-DS762 External I/O

### Front



### Rear



## 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              |

## 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          |

## 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                                |

## 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                                   |