

ARK-DS262

3rd Generation Intel® Core™ i7 OPS Digital Signage Platform



Features

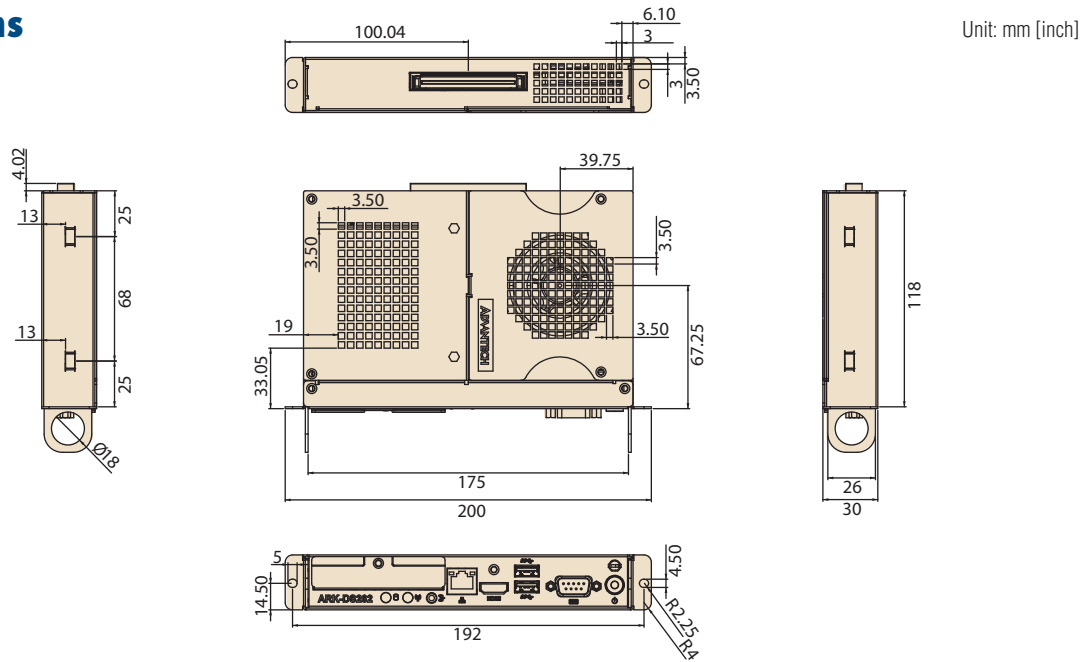
- 3rd generation Intel® Core™ i7 processor-based platform
- Design compliant with OPS (Open Pluggable Standardization)
- Supports HDMI, eDP, UART, USB3.0/2.0 via JAE 80-pin connector
- Supports PCIe x 4, USB3.0/2.0, SATA, LPC & SMB optional 2nd JAE 60-pin connector
- Slot-in integration, easy maintenance
- Design compliant with Energy Star 5.0
- Supports iManager, SUSIAccess and Embedded Software APIs



Specifications

Processor System	CPU	3rd generation Intel Core i7-3555LE 2.5 GHz	3rd generation Intel Core i3-3217UE 1.6 GHz	Intel Celeron 1020E 2.2 GHz
	System Chipset	Intel QM77		
	BIOS	AMI uEFI 64 Mbit		
Memory	Technology	2 x DDR3 204-pin SODIMM		
	Max. Capacity	Max. up to 16 GB (8 GB per SODIMM)		
Display	Chipset	Embedded in Processor		
	Processor Graphics	Intel HD Graphics 4000		
	Resolution (Chipset support)	HDMI/eDP: up to 1920 x 1080 (via OPS interconnection)		
	Output	HDMI x 1		
Storage	SATA Interface	1 x 2.5-inch SATA III HDD/SSD (support max 9.5 mm height)		
Ethernet	Interface	Gigabit LAN Controller		
	Controller	Intel 82579LM		
	Connector	1 x RJ-45		
I/O Interface	*JAE Connector	1 (JAE TX25 80-pin)/ 2 (JAE TX25 80-pin + JAE TX25 60-pin optional)		
	HDMI	1		
	LAN	1 (RJ-45)		
	USB	2 (USB 3.0 compliant)		
	Audio	1 x Line-out (supports Jack Sense via OS setting)		
	Serial Port	1 x COM (RS-232)		
	Mini-PCIe (Internal)	1		
Power Requirement	Management	ACPI 3.0		
	Power Consumption	Average 19 W		
	Input Voltage	12 V-24 V DC-in (via OPS interconnection)		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	255-level timer interval, setup by software		
Physical Characteristics	Dimensions (W x H x D)	200 x 30 x 119 mm (OPS compliant)		
	Weight	1.5 kg (3.3 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	0.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis.		
Software Development Kit	Operating System	Supports Microsoft Windows 8, Windows 7, WES7E, XP Embedded		
	Linux	Fedora 14		
Certification	Electromagnetic	CE/FCC Class B, CCC, BSMI, C-Tick		
	Safety	UL, CCC		

Dimensions



JAE TX25 Signal Allocation

Signal via JAE TX25 80-pin	Signal via JAE TX25 60-pin (optional)
HDMI (supports HDMI-CEC)	PCIe x 4
eDP	USB 2.0/3.0
UART	SATA
USB 2.0	LPC
Audio	SMBus

Embedded OS

Part Number	Description
2070011432	WES7E ARK-DS262 ENG/JPN/CHT/CHS w/Kinect SDK, SUSIAccessPro, iManager 2.0
2070011538	WES7P 64-bit ARK-DS262 w/Kinect SDK, SUSIAccessPro, iManager 2.0
2070011436	XPE WES2009 ARK-DS262 24MUI w/SUSIAccess Pro
2070011560	WIN7-Pro ARK-DS262 Eng
2070012365	WE8S 32-bit ARK-DS262 24MUI

Packing List

Part Number	Description
-	1 x ARK-DS262 Unit
-	1 x Driver/Utility DVD
-	1 x Simplified Chinese User Manual
-	1 x China RoHS
-	1 x OPS Sticker
-	SUSIAccess DVD

Optional Items

Part Number	Description
AMO-I013E	Docking Board, OPS JAE TX24/DC-in Jack/HDMI/DP/COM/USB
AMO-WIFI06E	Wi-Fi 802.11 b/g/n Mini-PCIe module (including Antenna & Cable)
AMO-HSDPA02E	HSDPA Mini-PCIe module (including antenna & cable)

Ordering Information

Part Number	Description
ARK-DS262GF-U5A1E	ARK-DS262, i7-3555LE, 250G HDD, 2G RAM
ARK-DS262GF-S6A1E	ARK-DS262, i3-3217UE, 250G HDD, 2G RAM
ARK-DS262GF-U2A1E	ARK-DS262, Celeron 1020E, 250G HDD, 2G RAM
ARK-DS262GB-U5A1E	ARK-DS262, i7-3555LE, Barebone unit
ARK-DS262GB-S6A1E	ARK-DS262, i3-3217UE, Barebone unit
ARK-DS262GB-U2A1E	ARK-DS262, Celeron 1020E, Barebone unit
ARK-DS262GQ-U5A1E	ARK-DS262, i7-3555LE, 250G HDD, 2G RAM, WES7E, SUSIAccess, McAfee, Acronis
ARK-DS262GQ-S6A1E	ARK-DS262, i3-3217UE, 250G HDD, 2G RAM, WES7E, SUSIAccess, McAfee, Acronis
ARK-DS262GQ-U2A1E	ARK-DS262, Celeron 1020E, 250G HDD, 2G RAM, WES7E, SUSIAccess, McAfee, Acronis



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