

DS-570

Intel® Celeron® N2930/ J1900 Quad-Core™ SoC with Advanced (NVIDIA GeForce GT 730M) Graphics Fanless Signage Platform



Features

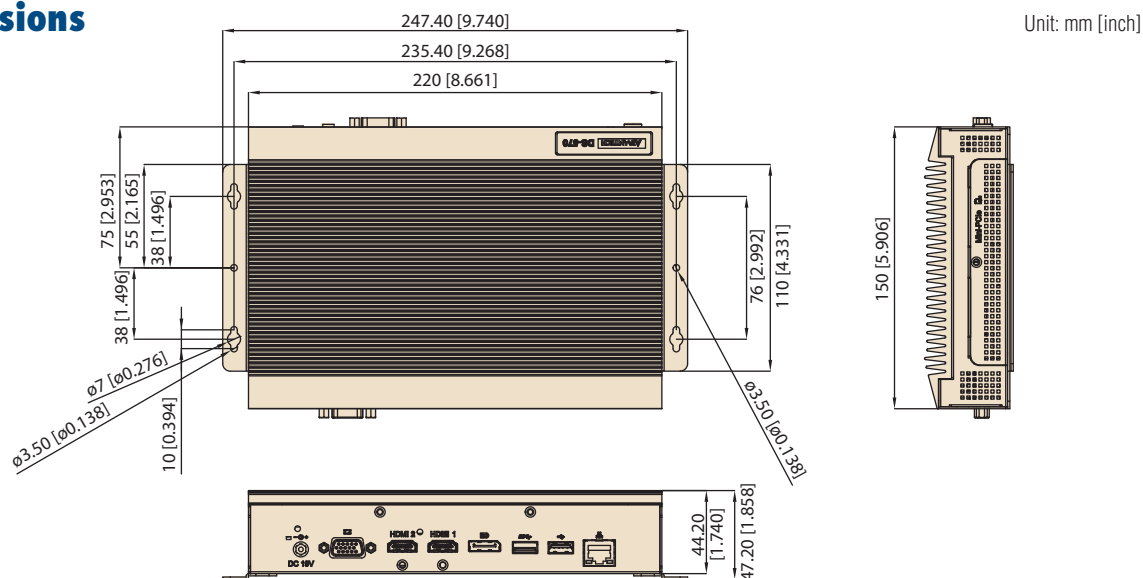
- Intel Celeron N2930/ J1900 low power Quad-Core SoC platform (FANLESS) Integrated NVIDIA GeForce GT 730M graphic module for UHD/FHD playback
- Supports simultaneous multi-display output (any 2,3 or 4 outputs)
- Compact size mechanical design for easy installation in application field
- Highly expandable via internal Mini-PCIe interface (e.g. WLAN, 3G or TV tuner)
- 2 COM ports for system integration and application
- Content management software built-in for content editing, scheduling and remote monitoring functions

Specifications

		DS-570GB/ GF/ GQ	DS-570GL
Processor System	CPU	Intel Celeron N2930 Quad Core 1.86GHz/ J1900 Quad Core 2.0GHz	Intel Celeron N2930 Quad Core 1.86GHz
	System Chipset	Integrated in CPU	Integrated in CPU
	L2 Cache	2 MB	2 MB
	BIOS	AMI uEFI 64 Mbit	AMI uEFI 64 Mbit
Memory	Technology	2 x DDR3L 204-pin DIMM**	2 x DDR3L 204-pin DIMM**
	Max. Capacity	8GB (up to 4GB per each SODIMM)	8GB (up to 4GB per each SODIMM)
Display	Chipset	NVIDIA GeForce GT 730M	NVIDIA GeForce GT 730M
	Memory Size	Independent display memory 1024 MB	Independent display memory 1024 MB
	Resolution	VGA: up to 2048 x 1536 @ 60Hz HDMI: up to 3840 x 2160 @ 30Hz DP**: up to 3840 x 2160 @ 30Hz	VGA: up to 2048 x 1536 @ 60Hz HDMI: up to 3840 x 2160 @ 30Hz DP**: up to 3840 x 2160 @ 30Hz
	Output	2 x HDMI, 1x DP++, 1 x VGA	2 x HDMI, 1x DP++, 1 x VGA
	Multi display	Any 2, 3 or 4 outputs	Any 2, 3 or 4 outputs
	Video format	H.264, VC1, MPEG-1, MPEG-2, MPEG-4 Part 2SP, MPEG-4 ASP, WMV9, DivX 3.11	H.264, VC1, MPEG-1, MPEG-2, MPEG-4 Part 2SP, MPEG-4 ASP, WMV9, DivX 3.11
Storage	SATA	1 x 2.5-inch SATA II HDD/SSD (only support 7 mm height)	1 x 2.5-inch SATA II HDD/SSD (only support 7 mm height)
Ethernet	Interface	Gigabit LAN Controller	Gigabit LAN Controller
	Controller	2 x Intel I211	1 x Intel I211
	Connector	2 x RJ-45	1 x RJ45
I/O Interface	HDMI	2 (*HDMI 1 support CEC only)	2 (*HDMI 1 support CEC only)
	DP++	1	1
	VGA	1 (D-sub 15-pin)	1 (D-sub 15-pin)
	LAN	2 (RJ-45)	1 (RJ-45)
	USB 2.0	3	3
	USB 3.0	1	1
	Audio	1x audio phone jack for Mic-in, 1x SPDIF/ Line-Out (support jack-sense via OS setting)	1x audio phone jack for Mic-in, 1x SPDIF/ Line-Out (support jack-sense via OS setting)
	Serial	2 x COM (RS-232) or 1 x COM (RS-232/ RS-485/ RS-422) & 1 x RS-232	1 x COM (RS-232)
	Mini-PCIe (Internal)	2 (full-size for optional expansion modules)	1 (full-size for optional expansion modules)
	Power input	1 (DC-in jack)	1 (DC-in jack)
Power Requirement	Management	ACPI 3.0	ACPI 3.0
	Power Consumption Input Voltage	CPU N2930: - Typical: 10.5W (w/o expansion) - Max.: 15.7W (w/o expansion)	CPU N2930: - Typical: 10.5W (w/o expansion) - Max.: 15.7W (w/o expansion)
		CPU J1900: - Typical: 9.7W (w/o expansion) - Max: 22.6W (w/o expansion)	
	Input Voltage	19V DC-in (ATX/AT mode, default ATX)	19V DC-in (ATX/AT mode, default ATX)
Others	Supports boot on power back and schedule boot up function	Supports boot on power back and schedule boot up function	
Watchdog Timer	Output	Interrupt, system reset	Interrupt, system reset
	Interval	Programmable by SUSIAccess	Programmable by SUSIAccess
Physical Characteristics	Mounting	Easy mounting kits for LCD or Plasma	Easy mounting kits for LCD or Plasma
	Dimensions (W x H x D)	220 x 44.2 x 150 mm	220 x 44.2 x 150 mm
	Weight	1.7 kg	1.7 kg
Environment	Operating Temperature	0 - 40° C (32 - 104° F) (w / HDD); 0° C- 65° C (32 - 149° F) (w/ extend temp. Memory & SSD)	0° C-40° C (32-104° F) (w/HDD); 0° C-65° C (32-149° F) (w/extend temp. Memory & SSD)
	Relative Humidity	95% @ 40° C (non-condensing)	95% @ 40° C (non-condensing)
	Vibration Resistance	1.0 Grms, IEC 60068-2-64, random, 5-500 Hz, 10Oct./min, 1hr/axis	1.0 Grms, IEC 60068-2-64, random, 5-500 Hz, 10Oct./min, 1hr/axis
Software Development Kit	Operating System	Supports Microsoft Windows 8.1/ 8/ 7, WES7P, WES7E	Supports Microsoft Windows 8.1/ 8/ 7, WES7P, WES7E
	Linux	By project	By project
Certification	Electromagnetic	CE, FCC Class B, BSMI	CE, FCC Class B, BSMI
	Safety	UL, CCC, BSMI, CB, LVD	UL, CCC, BSMI, CB, LVD

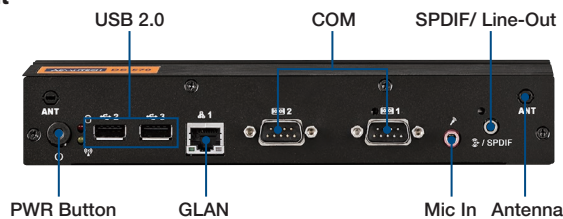
*1 CEC pin definition reserved in HDMI, needs software to enable it
** If only one RAM, please insert it into SO-DIMM 1 slot and boot up.

Dimensions

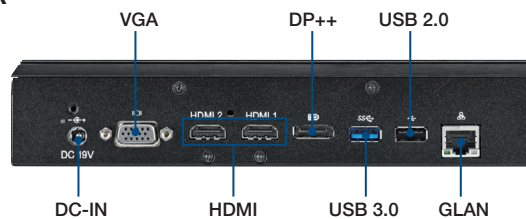


DS-570 External I/O

Front



Back



Packing List

Part number	Description
-	1x DS-570 unit
-	1x Bracket sets for power adapter
-	2x Mount brackets
-	1x Power adapter
-	1x China RoHS

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 with CCC (China)

Ordering Information

Part number	Description
DS-570GB-U4A1E	DS-570, J1900+GeForce GT730M, barebone
DS-570GF-U4A1E	DS-570, J1900+GeForce GT730M, 2G RAM, 500G HDD
DS-570GQ-U4A1E	DS-570, J1900+GeForce GT730M, 2GRAM, 500GHDD, WES7P
DS-570GB-S8A1E	DS-570, N2930+GeForce GT730M, barebone
DS-570GF-S8A1E	DS-570, N2930+GeForce GT730M, 2G RAM, 500G HDD
DS-570GQ-S8A1E	DS-570, N2930+GeForce GT730M, 2G RAM, 500G HDD, WES7P
DS-570GL-S8A1E	DS-570GL, N2930+GeForce GT730M, 2G RAM, 500G HDD

Embedded OS

Part number	Description
2070013696	Img WES7E 64bit, EN/SC/TC/JP
2070013499	Img WES7E 32bit, EN/JP/TC/SC; SAS
2070013692	Img WES7P 64bit, EN/SC/TC/JP
2070013046	Img WES8 64bit, Eng/Jpn/SC/TC

Before the OS installation, the OS selection should be set and matched what OS applied from BIOS.

Optional Items

Part number	Description
AMO-WIFI06E	Realtek/wifi 802.11bgn/miniPCIe, cable, antenna
AMO-WIFI07E	DHXA/wifi802.11abgn+BT4.0/miniPCIe, cable, antenna
AMO-HSDPA02E	U-blox/HSDPA 6band/miniPCIe, cable, antenna