

# DS-570

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

Preliminary



### 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 (RS-232) ports for system integration and application
- Consumer Electronic Control (CEC\*) implemented on one of HDMI port
- Content management software built-in for content editing, scheduling and remote monitoring functions



### Specifications

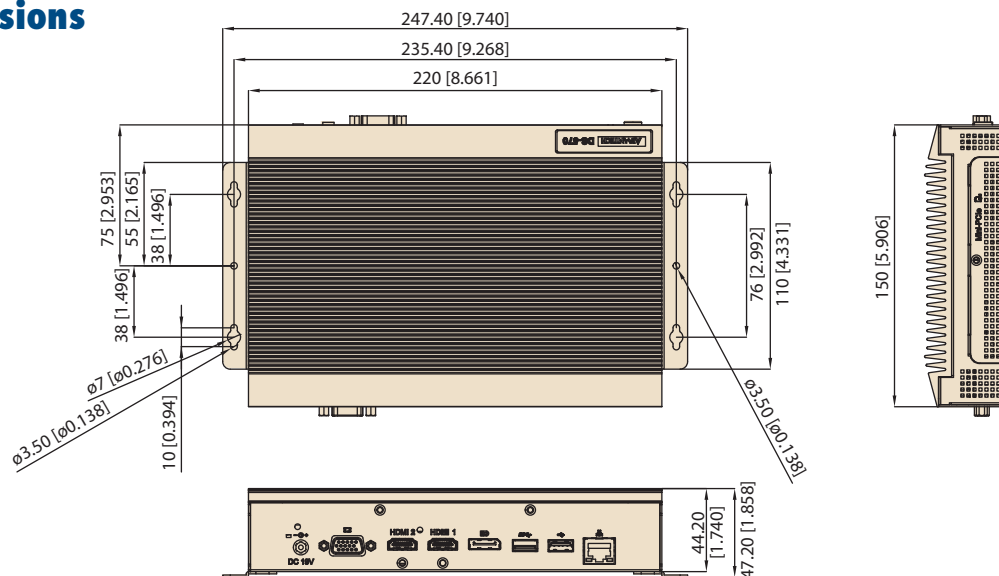
Processor System	CPU	Intel Celeron N2930 Quad Core 1.86GHz/ J1900 Quad Core 2.0GHz	
	System Chipset	Integrated in CPU	
	L2 Cache	2 MB	
Memory	BIOS	AMI uEFI 64 Mbit	
	Technology	2 x DDR3L 204-pin DIMM**	
	Max. Capacity	8GB (up to 4GB per each SODIMM)	
Display	Chipset	NVIDIA GeForce GT 730M	
	Memory Size	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 @ 60Hz	
	Output	2 x HDMI, 1x DP++, 1 x VGA	
	Multi display	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	
Storage	SATA	1 x 2.5-inch SATA II HDD/SSD (only support 7 mm height)	
Ethernet	Interface	Gigabit LAN Controller	
	Controller	2 x Intel I211	
	Connector	2 x RJ-45	
I/O Interface	HDMI	2 (HDMI 1 support CEC only)	
	DP++	1	
	VGA	1 (D-sub 15-pin)	
	LAN	2 (RJ-45)	
	USB 2.0	3	
	USB 3.0	1	
	Audio	1x audio phone jack for Mic-in, 1x SPDIF/ Line-Out (support jack-sense via OS setting)	
	Serial	2 x COM (RS-232)	
	Mini-PCIe (Internal)	2 (full-size for optional expansion modules)	
	Power input	1 (DC-in jack)	
Power Requirement	Management	ACPI 3.0	
	Power Consumption Input Voltage	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)	
	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 H x D)	220 x 44.2 x 150 mm	
	Weight	1.7 kg	
Environment	Operating Temperature	0 - 40° C (32 ~ 104° F) (w / HDD); 0° C- 70° C (32 ~ 158° F) (w/ extend temp. Memory & SSD)	
	Relative Humidity	95% @ 40° C (non-condensing)	
	Vibration Resistance	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	
	Linux	TBD	
Certification	Electromagnetic	CE, FCC Class B, BSMI	
	Safety	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.

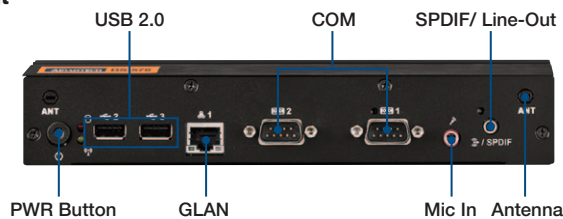
## Dimensions

Unit: mm [inch]

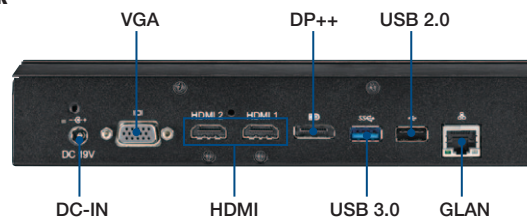


## DS-570 External I/O

### 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 & Specific power adapter

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)
2070013046	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

## Embedded OS

Part number	Description
2070012897	Image WES7E 64bit, DS-570, EN/TC/SC/JP
2070012896	Image WES7P 64bit, DS-570, EN/TC/SC/JP
2070013046	Image WE8S DS-570 x64 V6.5.2 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