

# DSA-3020

## Full HD Compact Signage Platform

**NEW**



### Features

- Compact size and low profile for easy installation & mounting
- Fanless design for enhanced reliability
- Extremely power saving and low power consumption platform
- Built-in Intel GMA 500 full HD H/W video decode up to 1080p
- Supports both landscape and portrait mode of display
- Supports Windows XPe Vista & Linux
- Supports WDT (watchdog timer) for signage purpose



Windows  
Embedded



### Introduction

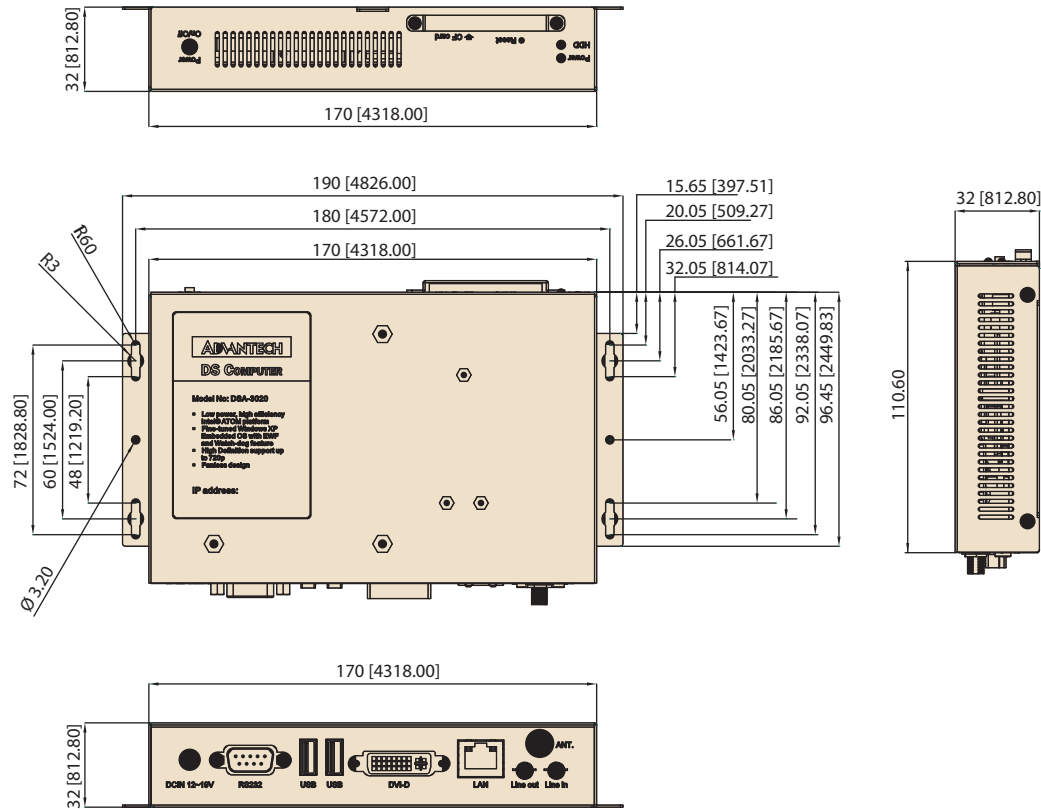
DSA-3020 is a small profile, all-in-one Windows XPE ready network appliance and control box for digital signage application. The Intel Silver throne XL processor gives it the power for full HD decoding. This easy-to-implement network appliance enables centralized control, scheduling and delivery of multimedia content through IP/Ethernet networks. Built on an x86 platform and XP Embedded OS, it is easy for application development. The compact -size design and the standard mounting bracket of DSA-3020 makes it can be easily mounted behind the signage display devices.

### Specifications

Processing System	CPU	Intel® Sliverthrone XL, 1.6 GHz, 533 MHz FSB
	Chipset	Intel Poulso XL
	L2 Cache	512 K
	BIOS	AWARD 8M bit
	Front Side Bus	533 MHz
Graphic	Chipset	Intel GMA 500 full HD H/W video decode engine
	Memory Size	N/A
Memory	Technology	Single DDR2-400 / 533 SODIMM supported.
	Max. Capacity	2GB (1 GB default)
Network	LAN	GigaLAN 1 x RJ45
	Wireless	Optional (via MiniPCIe module)
I/O Ports	Display	1 x DVI-D
	Audio	Azalia compatible audio codec to provide 1 x LINE-IN and 1 x LINE-OUT
	Mini-PCI / Mini-PCIe	1 x Mini-PCIe
	USB 2.0	2 x USB connector
	Serial	1 x RS-232
	PSW	1 x Power on/off button 1 x Reset button
Media formats (with AP S/W)	Video codec	WMV, H.264, MPEG 2/4
	Video format	WMV, MOV, AVI
	Audio codec	2 channels, MPEG-1 Layers I, II and III (MP3), 16-bit PCM, bit rate up to 384 kbps, sample rate up to 48 KH, AC3, AAC..., etc (depends on S/W codec)
	Still image format	JPEG, BMP, TIFF, GIF, PNG
	Flash format	SWF
	Text	Fixed Text, Live RSS Feed
Display Compatibility	Aspect ratio	4:3, 16:9, 3:4, 9:16
	Output resolution	4:3 ratio - 640 x 480, 800 x 600, 1024 x 768, 1280 x 1024 16:9 - 1280 x 720 (720p), 1920 x 1080 (1080p)
	Display connector	DVI-D (with DVI-D to HDMI convertor)
Player function (with AP S/W)	Program update	Through LAN, WAN or USB storage
	Scrolling text	Variable scrolling speed and position
	Playlist	Scheduling playback, endless loop playback, auto play after power on
Storage	IDE-0	Compact Flash socket for type II (4GB default or up) [CF Version P/N: DSA-3020-XLE ]
	IDE-1	2.5" HDD SATA (80GB default) / HD Version [HDD Version P/N: DSA-3020-HDXLE ]
Power	Power computation	Average 10W
	Power supply	12 V DC ~19 V DC , 2A mini

## Block Diagram

Unit: mm (inch)



Environment	Temperature	0 ~ 40° C, Operating
	Relative humidity	95% @ 40° C (non-condensing), Operating
	Vibration resistance	1 Grms (CF Version) / 0.5 Grms (HD Version), IEC 60068-2-64, Random, 5 ~ 500 Hz, 1hr/axis
Physical	Dimension	170 x 110.5 x 32 mm (6.7" x 4.4" x 1.3" )
	Weight	0.8 kg (1.76 lb) / 0.9 kg (1.98 lb)
Watchdog timer	Output	Interrupt, system reset
	Interval	Programmable 2 ~ 40 sec. default.
Certification	Electromagnetic	CE, FCC
	Safety	UL, CB, CCC
	Environmental protection	RoHS, WEEE

## Ordering Information

Part No.	Description
DSA-3020-XLE	DSA-3020 with 4G CF
DSA-3020-HDXLE	DSA-3020 with 80 GB HDD

## Power Code Option

Part Number	Descriptions
1702002600	Power cord, 180cm, 180D, US/UL
1702031836	Power cord, 180cm, 180D, AU/SAA
1702002605	Power cord, 180cm, 90D, EU/CE
1702031801	Power cord, 180cm, 90D, UK/5A fuse

## Accessory List

Part Number	Description
TBD	TV tuner
968EMW0006	WiFi module
TBD	XPE for DSA-3020

## Packing List

1. DSA-3020
2. CD-ROM
3. VESA Mounting Bracket
4. DVI-D to HDMI Converter
5. Power Adaptor