

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



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

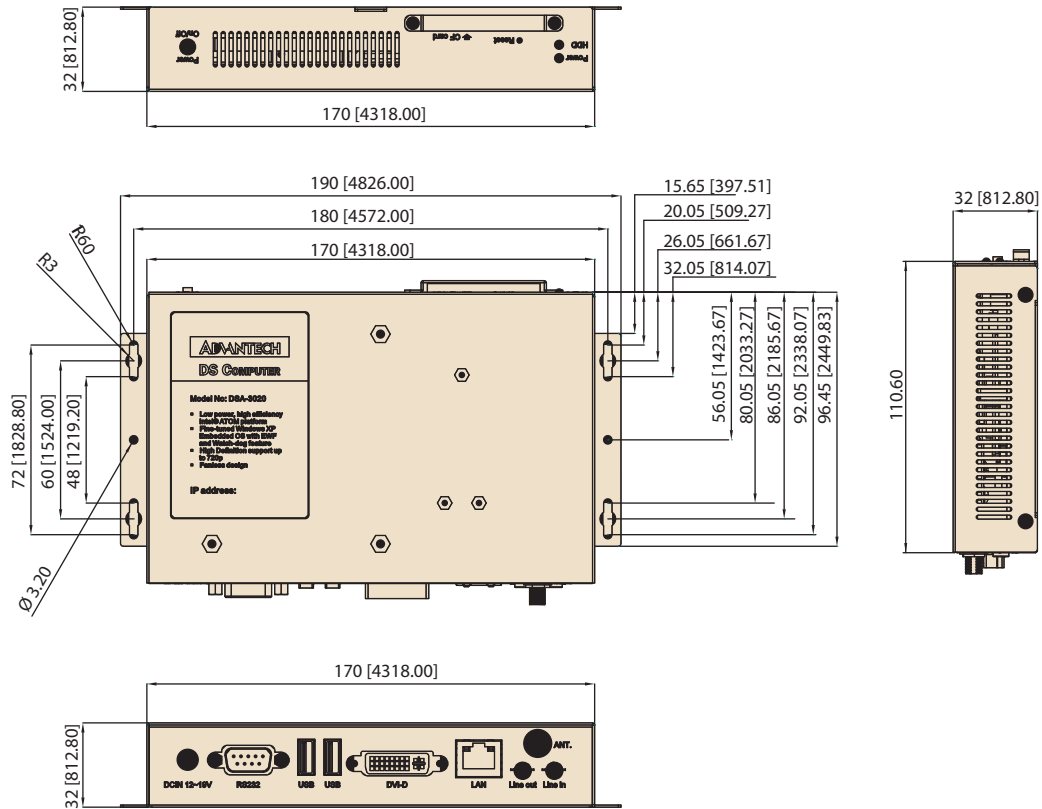
Processing System	CPU	Intel® Sliverthrone XL, 1.6 GHz, 533 MHz FSB
	Chipset	Intel Poulso XL
	L2 Cache	512 K
	BIOS	AWARD 8M bit
	Front Side Bus	533 MHz
Graphic	Chipset	Intel GMA 500 full HD H/W video decode engine
	Memory Size	N/A
Memory	Technology	Single DDR2-400 / 533 SODIMM supported.
	Max. Capacity	2GB (1 GB default)
Network	LAN	GigaLAN 1 x RJ45
	Wireless	Optional (via MiniPCle 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-PCle	1 x Mini-PCle
	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**
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	CF card	Compact Flash socket for type II / CF version without CF card (P/N: DSA-3020-BXLE)
	HDD	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

* Testing with 3rd party decoder @1080P 25mpbs, H.264

** Limited on CPU performance & decoder from 480P to 1080P

Block Diagram

Unit: mm (inch)



Environment	Operating temperature	0 ~ 45° C
	Storage temperature	-20° C ~ 80° C
	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 110.6 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-HDXLE	DSA-3020 with 80 GB HDD
DSA-3020-BXLE	DSA-3020 standard CF version without CF card

Power Code Option

Part Number	Descriptions
1700001524	POWER cord 3P/3P 180cm, US/UL
170203183C	Power cord, 3P, 183cm, Europe
170203180A	Power cord, 3P,180cm,UK

Accessory List

Part Number	Description
TBD	TV tuner
9668302000	WIFI module for DSA-3020
2070007649	XPE for DSA-3020
TBD	Mounting kits

Packing List

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