

DSA-2100

Network Digital Signage Player



CE FCC

Features

- RISC based media processor
- Playback of digital video, graphics and text content
- High quality digital and analog video output
- Playlist to control and schedule the playback
- Internal HDD for content storage
- Transfer all content over Ethernet
- Controlled via Ethernet
- Interface to control external devices
- Fanless, reliable appliance
- Rugged metal housing with mounting flange
- Automatic "Play on Power Up"
- SDK & Demo program available for application development

Introduction

The Advantech DSA-2100 Digital Signage Player receives media content such as video, audio, graphics, and text via an IP network, stores the content on its internal hard disk drive and then displays that content according to either a pre-defined playlist or commands through network input. DSA-2100 features the most advanced decoder and graphic processor available. It outputs both digital and analog video signals for modern, high definition display devices like plasma, LCD, and digital projectors. It is the ideal digital content player for advertising, presentations, training, and other media applications.

Specifications

Video	MPEG-1, MPEG-2 MP@ML up to 14 Mbps MPEG-4 ASP	
Audio	2 channels, MPEG-1 and MPEG-2 Layers I, II and III (MP3), 16-bit PCM, bit rate up to 384 kbps, sample rate up to 48 kHz	
Graphic	32-bit color with transparency BMP, JPEG	
Text Banner	Variable scrolling speed and position	
Playlist	Scheduling playback, endless loop playback, auto play after power on	
Inputs and Outputs		
Video Outputs	DVI digital and analog	VESA DVI-I connector x 1, up to 1920 x 1080 @ 60 Hz with the H/W scaler
	Composite	BNC x 1
	S-Video	Mini-DIN 4pin connector x 1
Audio Output	R / L channel analog	Unbalanced stereo RCA jack x 2
Network	10/100 Mbps	RJ-45 x 1
	Wireless LAN	Internal MiniPCI x 1 for wireless LAN (note 2)
Serial Port	RS-232C	D-sub 9pin (male) x 1
GPIO	4 in 4 out	D-sub 9pin (female) x 1 (Optional)
USB	USB 2.0 High-Speed	USB A-type Connector x 2
Power	12 V DC input	
Network Protocol	Supports FTP, DHCP, NTP	
System		
Internal Storage	40 GB 2.5" HDD	
Dimensions (W x H x D)	228 x 44 x 110 mm (9" x 1.7" x 4.3")	
Weight	Approx. 1.2 kg	
Power Consumption	Approx. 8 W	
Operation Temperature	0 to 40° C, Humidity 5 - 85% @ 40° C	

Ordering Information

Part Number Descriptions

- DSA-2100 Network Digital Signage Player

Features and Benefits

MPEG-1/2/4 Video, Graphics, and Scrollable Text

The DSA-2100 offers high definition display quality (1080i) with industrial standard MPEG-1/2/4 encoded video at a bit rate of up to 14 Mb/s. Not only does the DSA-2100 play high-quality video, it is also capable of displaying full-color bitmap images and scrollable text allowing for versatile multimedia presentations.

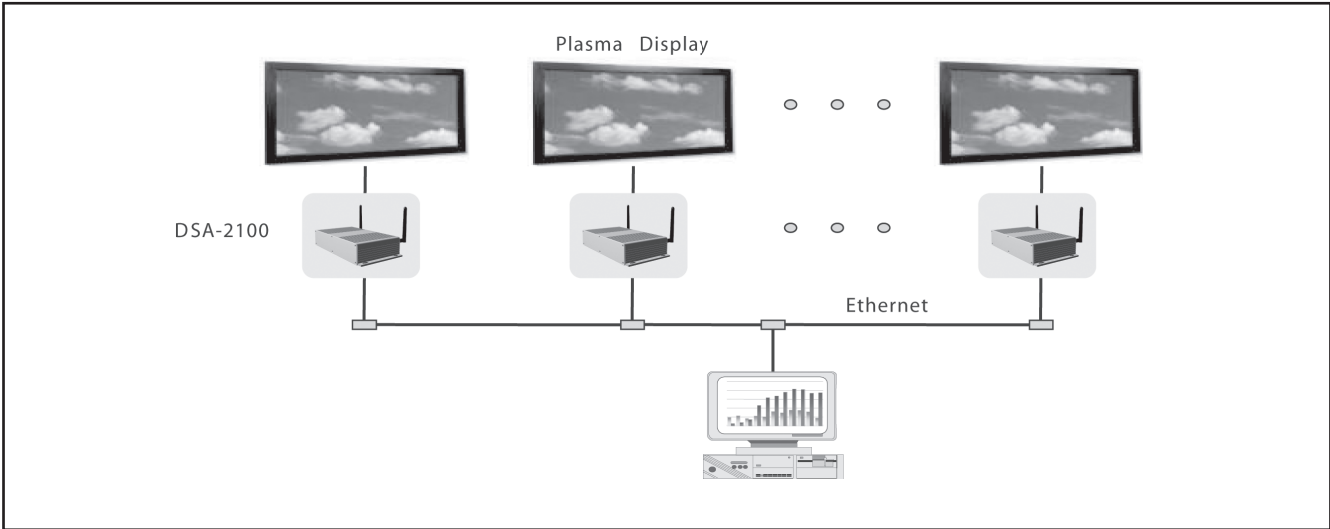
Reliable, Compact Appliance Design

The DSA-2100 is an inconspicuous, yet powerful and reliable appliance. Unlike a multifunction PC, the DSA-2100 performs its specific operations without any user intervention, reboots reliably in case of power interruption, is immune to "viruses", and is easy to deploy and support remotely.

Large Storage Capacity with Vibration Proof Mounting

The DSA-2100 is equipped with a 40 GB hard disk drive HDD and is capable of storing up to 18 hours of compressed video at a bit rate of 4 Mb/s or 8 hours of compressed video at 9 Mb/s. The hard disk drive is installed on a specially designed vibration-proof mounting mechanism. This makes DSA-2100 an ideal device for mobile or vehicular applications.

System Configuration



I/O Ports

