

# DSA-2101/2102

## Network Digital Signage Platform



### Features

- Multi-zone display with video & audio, graphics, and text
- Update content and schedule over network without interrupting content playback
- Supports MPEG 1/2/4 and DivX 5.0 video format; JPEG and BMP graphics
- Supports 16:9 and 4:3 display in landscape or portrait mode
- Supports HDTV resolution; automatically scales up SD content to HD output
- Excellent reliability: fanless design with built-in heat dispersion
- Flexible scheduling capability
- Low energy consumption and RoHS compliant
- Optional AV-input function for external video & audio input

## Introduction

The Advantech DSA-2102 series Network Digital Signage Platform receives media content such as video, audio, graphics, and text via an IP network, and stores the content on its internal hard disk drive. The content is displayed according to either a pre-defined playlist or network commands. The DSA-2102 series features the most advanced decoder and graphic processor available. It outputs both digital and analog video signals for modern, high definition display devices: plasma, LCD screens, and projectors. The DSA-2102 is an ideal networked digital content player for advertising, presentations, training, and other media applications.

## Specifications

| Player Contents        |                                                                                                                         |                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 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 |                                                             |
| Graphics               | 32-bit color with transparency BMP, JPEG                                                                                |                                                             |
| Text                   | Scrollable text, variable scrolling speed and position                                                                  |                                                             |
| Playlist               | Scheduling playback, endless loop playback, auto play after power on                                                    |                                                             |
| Input and Output Ports |                                                                                                                         |                                                             |
| Video Input *          | Composite                                                                                                               | 1 x RCA jack                                                |
| Audio Input *          | R/L channel analog                                                                                                      | 2 x Unbalanced stereo RCA jack                              |
| Video Output           | DVI digital and analog                                                                                                  | 1 x VESA DVI-I connector, up to 720P HD, 1280 x 720 @ 60 Hz |
|                        | Composite                                                                                                               | 1 x RCA jack                                                |
|                        | S-Video                                                                                                                 | 1 x Mini-DIN 4-pin connector                                |
| Audio Output           | R/L channel analog                                                                                                      | 2 x Unbalanced stereo RCA jacks                             |
| Network                | 10/100 Mbps                                                                                                             | 1 x RJ-45 jack                                              |
| Serial Port            | RS-232                                                                                                                  | 1 x D-sub 9-pin (male)                                      |
| USB                    | USB 2.0 Host                                                                                                            | 2 x USB type A ports                                        |
| Network Protocol       | Supports HTTP, DHCP                                                                                                     |                                                             |
| System                 |                                                                                                                         |                                                             |
| Internal Storage       | 40 GB HDD (for DSA-2102), 512 MB Disk-on-Module (for DSA-2101)                                                          |                                                             |
| Dimensions (W x H x D) | 211 x 153 x 43 mm (not including mounting bracket and I/O connector) (8.3" x 6" x 1.7")                                 |                                                             |
| Net Weight             | Approx. 1.7 kg (3.74 lb) (for DSA-2102); approx. 1.1 kg (2.42 lb) (for DSA-2101)                                        |                                                             |
| Power Consumption      | Approx. 15 W (for DSA-2102); approx. 7 W (for DSA-2101)                                                                 |                                                             |
| Power Supply           | DC 12V input                                                                                                            |                                                             |
| Operating Temperature  | 0 to 40° C (32 ~ 104° F), Humidity 5 – 85% @ 40° C                                                                      |                                                             |

\* AV-ins is an optional function only available with the DSA-2102V.

