

Fanless Box-PC 5120-A DSA

PKDS2005-1



The Fanless Box-PC Digital Signage Appliance series is a range of network based rich features digital signage player designed to address a broad spectrum of digital signage applications. The Fanless Box-PC 5120-A DSA is a low cost, Intel® Atom™ based digital signage appliance capable of playing full HD video. Based on the energy-efficient Intel® Atom™ N270 processor, the Fanless Box-PC 5120-A DSA has an inbuilt HD decoder enabling it to simultaneously play full HD video, flash and scrolling text. In addition, the appliances' fanless design makes for ultra-reliable long-term operation. I/O interface options include GbE LAN, Mini-PCIe, USB and RS232 Serial Port with storage via a 2.5" SATA HDD. Equipped with feature-rich digital signage software, the Fanless Box-PC 5120-A DSA is a powerful tool which enables designers to target specific audiences with imaginative and vibrant content. As such, the Fanless Box-PC 5120-A DSA will be deployed in a wide variety of entry-level digital signage applications within hospitality, retail, education, healthcare and transportation.

The presentation design tool is one of the most valuable parts of the Digital Signage software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.



Front Side



Rear Side

User's Benefits

- Impressive price-performance ration and reliability
- Quick presentation layout and reuse
- Easy content management via LAN and Internet
- Content deployment strategy support
- Numerous video and audio types are supported
- Save manpower on device deployment

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Software Specification

Video File Format

- MPEG1/2, MPEG4, AVI, MOV, WMV, SWF, AVC1, H.264

Picture File Format

- JPG, TIFF, ICP, PNG, GIF, BMP, WMF

Sound Format

- WAV, SND, MP3, M4A

Web/Data

- Web page, plain text

RS News Feed

Content Storage

- Local disk or remote server

Screen Support

- Scrolling text and emergency message
- Image transition effect: yes
- Presentation can be segmented to different screen layouts
- Multiple language: yes
- Picture wall function: yes

Content Throughput

- Video: Two HD video, or one full HD video, or two shockwave flash with multiple picture and scrolling text
- Flash: multiple zones
- Picture: multiple zones

Management Function

- Schedule / Playlist: Yes
- Playback history report: Yes
- Web-based management with user ID and password access control
- System log: yes
- System maintain: system reboot, firmware upgrade, configuration backup/restore
- Multilingual management interface
- Player control function

Presentation Design

- Automatic content file type categorization
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation package publish function

Operating System

- Windows XP Embedded

Hardware Specification

CPU

- Intel® Atom™ N270 1.6GHz CPU

Main Memory

- 1GB DDR2 400/533 memory

Video Interface-Rear

- HD Decoder (1080p) inside
- 1x DB15 VGA port
- 1x DVI-D port

Audio Interface-Rear

- 1x Line-In, 1x Line-Out, 5.1 channel HD Audio with 6W amplifier

I/O Interface

- 1x DB9 for RS232
- 4x USB 2.0 port

Storage Device

- 160GB HDD

Expansion

- 1x Mini-PCIe Socket for TV tuner or WLAN module

Power Adapter

- 1x external 60W AC/DC power adaptor
(In: 90VAC ~ 264VAC. Out: 12VDC)

Dimensions

- 272 x 195 x 44 mm (W x D x H) w/o mounting bracket

Environment

- Operating Temperature: Ambient with air flow from 0 to 45°C (HDD inside)
- Storage Temperature: -20 to 60°C
- Humidity: 10 to 90% at 40°

Certification

- CE approval
- FCC Class A

Ordering Information

PKDS2005 Fanless Box-PC 5120 Digital Signage Appliance
Digital Signage Player w/ Software Intel Atom based