



System Overview

NEXCOM's PowerDigiS (PDS) Series is a high-performance range of appliance based solutions designed to address a broad spectrum of digital signage applications.

PDS 5163 is a powerful appliance which has been specifically created for graphic intensive digital signage applications. Incorporating Intel® Core™ 2 Duo technology, the powerful PDS 5163 supports dual independent Full HD display via DVI, HDMI, and CRT. In addition, PDS 5163 can play various video formats at resolutions up to 1080p.

The ultra-reliable PDS 5163 is constructed from only finest industrial-grade components and materials, making it suitable 24/7 operation in a wide variety of environments. I/O interface options include GbE LAN, 2 x USB, VGA and HDMI; with storage via a 2.5" SATA HDD or CF card. In addition, two mini-PCIe slots enable wireless and TV connection.

Equipped with feature-rich PowerDigiS digital signage software PDS 5163 is the ideal for client-side deployments within hospitality, retail, education, healthcare and transportation.

PDS Presentation Design Tool

The tool is one of the most valuable parts of the PDS system, it helps content creator on intuitive operations to ease the output of presentation. Content files are automatically categorized by media type. The tool provides screen layout template design function and it can be saved for reuse. The tool also provides an easy drag and drop method to organize contents to playlist and associate playlist to each zones. Meanwhile, the tool provides preview function for content files and final presentation. Finally, the tool can integrate easy upload function to publish presentation to media player.

User's Benefits

- High cost-performance ration and reliability
- Quick presentation layout and reuse
- Easy content management over local LAN and Internet
- Content deployment strategy support with scalability and flexibility
- Variety video and audio types support
- Save manpower on device deployment



Software Specification

Video File Format

- MPEG1/2, MPEG4, AVI, MOV, WMV, SWF

Picture File Format

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

Sound Format

- WAV, SND, MP3, M4A

Web / Data

- Web page, plain text

RSS News Feed

Digital/Analog TV (Optional)

Content Storage

- Local disk or remote server

Screen Support

- Screen support: 2
- Screen rotation in portrait or landscape orientation
- 2 independent or combined into one extended screen or 2 clone display
- Max. Zone in 1 layout: 9

Playing Effect

- Scrolling text and emergency message
- Image transition effect: yes
- Presentation can be segmented and displayed in different layouts
- Multiple language: yes

Picture Wall

- Support 1 x 2, 2 x 1 combinations

Content Throughput

- Video: 4 HD or 2 full HD (1080p) with multiple shockwave flash, multiple pictures 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

OS

- Windows XP Embedded

Hardware Specifications

Main Board

- Intel® Socket P P8400 Core™ 2 Duo Processor, 2.13GHz, 3MB L2 Cache

Main Memory

- 1 GB DDR3 800/1066 MHz SDRAM memory

Video Interface-Rear

- 1x DVI , 1x HDMI, 1x VGA

Audio Interface-Rear

- 1 x Speaker out, 1 x S/PDIF

I/O Interface-Rear

- 2 x RS232 port
- 2 x USB 2.0 port
- GPIO Terminal Port (4 in, 4 out)

Storage

- 160GB HDD

Expansion

- 2 x Mini-PCIe Socket support Wireless LAN module & TV tuner module

Dimensions

- 280mm (W) x 210mm (D) x 40.4mm (H)
(11" x 8.3" x 1.6") w/o mounting bracket

Construction

- Top cover made by Aluminum for main heat exchange
- Chassis made by steel in black

Power Requirements

- 1 x external +12V DC output 150W Adapter
- Support ATX power mode

Environment

- Operating temperatures: 0°C to 40°C
- Storage temperature: -40°C to 80°C
- Relative humidity(Non-condensing): 95%

Certification

- CE approval
- FCC Class A

Ordering Information

- **PDS 5163 (P/N: 10W00016304X0)**