



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 5541 is a unique high-end appliance which has been specifically created for graphic intensive applications. PDS 5541 can play four independent full HD videos via four HDMI connectors. This important feature reduces hardware and software procurement costs enabling one PDS 5541 to play four separate Full HD videos. Based on the powerful AMD Athlon™ Quad Core CPU, PDS 5541 can be utilized as a cost effective solution for 4 x 4 picture wall applications or for vibrant multi-screen advertising.

Equipped with feature-rich PowerDigiS digital signage management software, PDS 5541 is perfect for client-side deployments within hospitality, retail, education and transportation. Other features of PDS 5541 include an ultra-reliable design that enables 24/7 operation and Mini-PCIe slot for Wireless and TV connection.

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: 4
- Screen rotation in portrait or landscape orientation
- 4 independent or combined into one extended screen or 4 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 4, 4 x 1, 2 x 2 combinations

Content Throughput

- Video: 4 HD or 3 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

- AMD Phenom X4 Quad Core 905e 65W CPU

Main Memory

- 1 GB DDR RAM memory

Video Interface-Rear

- 4 x HDMI

Audio Interface-Rear

- 4 x Line-out

I/O Interface-Rear

- 2 x DB9 for RS-232
- 4 x COM in terminal port (TX & RX only)
- 4 x USB

LAN Interface-Rear

- 1x RJ45 Gigabit Ethernet

Storage

- 160GB HDD

Expansion

- 1 x Mini-PCIe optional for WLAN tuner module
- 1 x Mini-PCIe optional for TV tuner module

Dimensions

- 272mm (W) x 195mm (D) x 44mm (H)
(10.7" x 7.7" x 1.7") w/o rubber stand

Power Requirements

- 1 x External 96W AC/DC adapter
- AC-in: 100-240VAC
- DC-out: DC 12V

Environment

- Operating Temperature: Ambient with air flow from 0-40°C (HDD inside)
- Storage Temperature: -20-85°C, Humidity: 10-90% (Non-condensing)

Certification

- CE approval
- FCC Class A

Ordering Information

- PDS 5541 (P/N: 10W00054101X0)