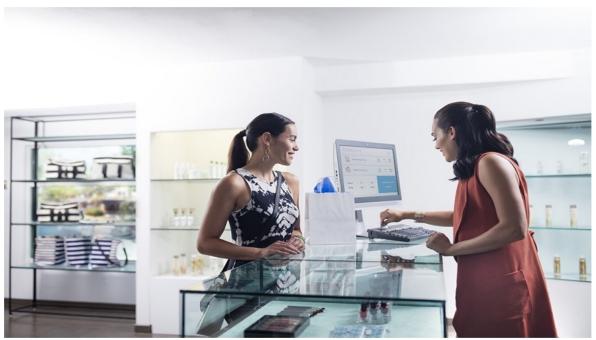
Plug and Play Digital Signage Solution for Retail

By Emily Chen

Simple • Affordable • Easy to Use



Picture 1, Intel Corporation.



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Polywell Computers, Inc. Quality Built In America



Abstract

Polywell Computers, Inc. has designed a complete digital signage solution to meet the needs of retail businesses—especially brick-and-mortar stores. Each year, e-commerce companies have tremendous success in capturing a higher percentage of consumer spending. To counter this problem, retailers are turning to technology. They're looking for solutions that bring interactive digital experience to in-store customers. In this solution, our definition of "retail businesses" encompass various vertical markets and physical environments, including fast food chains, movie theaters, department stores, waiting rooms, offices, medical centers, hotels,

Challenge: Why Typical Digital Signage Is Not Easy

Today, one of the biggest challenges in digital signage is how to deliver interactive and informative content to customers in an easy and manageable manner. A typical digital signage solution consists of any combination of software management, content creation, hosting services, Internet service, and network management. Developing, implementing, and maintaining a digital signage solution is a headache for most businesses. That's why we have designed the simple plug and play digital signage solution to help business owners save time and resources so they can put more focus on their core business functions. At Polywell Computers, we don't believe technology should be difficult. So, we make everything easy. Our digital signage solution is the gateway to connect with your customers.



Solution: Plug and Play Digital Signage

Our solution includes everything a business needs to effortlessly deploy and manage digital signage. We have bundled the components to provide a true plug and play solution. Even someone with minimal IT and content management experience will find our solution easy to deploy, use, and manage. One of the biggest advantages is that no Internet connection is required. Our solution includes the following:

Host PC—Comes equipped with Windows 10 operating system and digital signage content manager software, then preconfigured to communicate with player PCs wirelessly.

Player PC—Comes equipped with Windows 10 operating system and digital signage content player software, then preconfigured to communicate with host PC wirelessly. Customers can start with 1 player PC and go up to 8 player PCs.

Digital Signage Software—Comes equipped with SmarterSign Digital Signage software. Please direct all your inquiries about other software compatibility to the contact information on the front page.

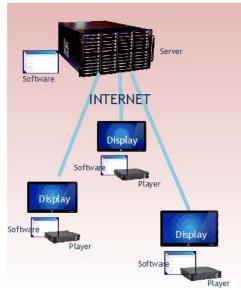
Template Library—The content manager includes hundreds of professional and easy-to-edit templates to create and display content.

The host PC and player PCs are preconfigured to communicate wirelessly via WiFi Direct. It doesn't require any internet connection so your wireless communication channel is not subject to network latency or unavailability. Although, player PCs are recommended to stay within 200 feet radius of any host PC. Everything needed to create and connect to are built into our solution. The host PC and player PCs display through HDMI. Each player PC supports 2 displays. After connecting the host PC to a computer and the player PC to a display screen, contents can be created and published immediately. Our digital signage solution is market-ready, and can deploy in a plug and play fashion.

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Plug and Play Digital Signage Solution for Retail

BEFORE POLYWELL'S DIGITAL SIGNAGE SOLUTION



Conventional systems require configuration and management on every level, from server to individual players. A connection is also required between the server and the client, further complicating the structure.

WHAT YOU NEED	& WHAT IT COSTS
Digital Signage Software Provider	(Typically: \$20 - \$99 /mo.)
Hosting (Cloud Service)	(Typically: \$20 - \$99 /m o.)
Internet service for Qient	(Typically: \$50 /mo.)
• IT person to maintain the network	(Typically: A LOT)
Digital Signage staff	(Typically: A LOT!)
to create / manage content	

CONCLUSION:

Cost: too high for the small business owner

A

Simple

Comparison

AFTER POLYWELL'S DIGITAL SIGNAGE SOLUTION

Our solution can support up to 8 player PCs per host PC.

Player PC



Each player PC supports 2 displays. Depending on client needs, the solution can start with 1 player PC or more.

Software Player

Software Player

Software Player

Flayer

Software Player

Host PC

Our new system is centrally controlled; no physical connection is required either, since data is transmitted wirelessly.

- NO SERVER! Only a minimum Host PC
- NO Internet connection
- NO IT Network Connects directly using WiFi
- NO Monthly Hosting Fees / No Cloud Services
- NO IT Staff Software is preloaded / plug & play
- NO Marketing Staff Premade templates / Easy to use and manage / Takes less then 15 min. to set up and run

CONCLUSION:

Cost-efficient and affordable- the best solution for Small Businesses

Plug and Play Digital Signage Solution for Retail

PC Specifications Z83-4D (Player) 127 x 127 x 19.1 (30 with tel) mm 139.7 x 137 x 37.8mm Fanless Nano-6100D (Host) iniel® CoreTM (3-6100u Processor, 23GHz, 12 hlel● AlomTM Processor x5-Z8300 CPU core 4 Thread (TDP 15/V) 1.44/1.8GHz , 4 core 4 Thread (TD P 2//) 1 x 30-D MM DDR4 slot 4GB DDR3 2133/1866 MHz 4G8 pre-inclaied, Max. 3238 1600 M Hz Embedded LAN Gloabii LAN (Reallek RTLS) (11) Gloabii LAN Realiek ALD662 Inlei[®] HD Graphics 520 5.1 HD Audio Inlei[®] HD Graphics HOM! Resolution (Max.) 4096x2304@ 24Hz 1920x 1080 @ 60 Hz 000000000 Mini DP Resolution (Max.) Optional 3096x2304 @60Hz 3840x216024Hz VGA Resolution (Max.) 1920 x 1200 **@** 60 Hz Front View 1x mini PC le (mSATA) 128G SSD (M.2 oo llong) 32G eMMC Internal Strage Back View occupied by the WIFF BT card occupied by the WIFF BT card 4 x USB 3.0 1 x USB 3.0 Front I/O 3 x USB 2.0 1 x TF (Micro SD) slot 1 x HDM (1.4b) 2 x USB 2.0 2 x Serial (RJ 45) 1 x HDM (1.46) 1 x VGA 1 x RJ +5 GigaLAN 1 x DC 12V-in (2.5mm) 1 x mini DP 1 x RJ+5 GigaLAN 1 x DC 12V-in (25mm) Fanless Z83-4D (Player) The Most Affordable Solution Rear I/O 1 x Mic-in 3.5mm 1 x Speaker-oul 3.5mm 1 x Headphone/Speaker out 3.9mm No Monthly Fee i x Kensing brilliock slot External Wiff Antenna come clor No Internet Required Saving Annual Subscription Cost inpul: AC 100:240V outpul: BC 12V (36VI) inpul: AC 100:240V Template Ready, Easy to use Power Supply Output: DC 12V (36V) Bracke Hinduited Brackells optional VE8A Supports 75x 75 and 100x 100mm Supports 75x 75 and 100x 100mm 2.6" SATA HOD Tray WIR /BT Card Intel® Buai Bant Wireless-AC Intel® Buai Bant Wireless-AC U 8 E3.1 Support 08 Win 10 Preloaded, Linux is optional

Plug and Play Digital Signage Solution for Retail

Benefits

Simple to Install

- Plug in the host and the player PCs, power on, and have your digital signage solution running in minutes.
- No extra configuration is required.
- No need to setup wireless network or access point.

Easy to Use

- Software comes standard with hundreds of professionally created templates.
- Drag and drop to update new content, one-button to publish contents, and real-time sign updates
- Supports video, audio, animation, photos, and more.

Affordable to Buy

- One-time payment for a complete Digital Signage solution.
- No monthly software subscription fees.
- No monthly internet service fees.



Please direct any questions and inquiries to:

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