TruLink® Wireless Digital Signage Distribution System (WDSDS)

The high degree of flexibility and ease of setup allows digital signage displays to be placed virtually anywhere.

The TruLink Wireless Digital Signage Distribution System (WDSDS) enables video and stereo audio to be distributed and synchronized wirelessly across multiple displays. The 802.11a/g wireless capabilities allow easy installation of digital signs in locations where running cables is difficult. For added flexibility, the WDSDS can be used in wired mode utilizing standard Cat5/6 cables. This is ideal for situations when monitors need to be placed long distances from the media player. The WDSDS supports up to 32 screens wirelessly or can be used in wired mode to support up to 1,000 screens. The high degree of flexibility and ease of setup allows digital signage displays to be placed virtually anywhere.

The WDSDS can be used in wireless modes in two ways. It can be used as its own private network for simple plug-and-play set up, or it can be placed on an existing network as its own isolated segment. Because the WDSDS is Ethernet-based, users can take advantage of their existing network infrastructure* and inexpensive off-the-shelf networking hardware.

SCALABLE

- Efficiently distributes and synchronizes video and audio from a single source to 32 wireless displays and up to 1,000 wired displays
- Wired mode supports distances up to 3,000ft using standard network equipment (hubs, switches, or routers). Wireless mode supports distances up to 100ft using included antennas in an indoor environment; significantly larger distances are possible by using directional antennas (not included)
- Uses standard Ethernet network infrastructure allowing digital signs to be connected using network cabling and equipment that is already installed in a building*
- The Transmitter distributes data only to the network which Receivers are connected to via the network interface select feature which avoids distributing to other networks in order to reduce network traffic
- Supports Wired LAN (10Base-T/100Base-TX) and Wireless LAN (IEEE802.11a/g: Infrastructure/Ad hoc mode)
FLEXIBLE
- Supports resolutions up to 1280x1024 @20fps or 1024x768 at 30fps
- DVI-I connectors on the transmitter and receivers allow analog (VGA) or digital connections (DVI or HDMI)
- Includes 0dB antennas with all transmitters and receivers. Flexible external antenna connectors allow for additional antenna options and placement to meet your application
- Receivers have an RS-232 port for control of the connected displays

MANAGEABLE
- Lip-Sync function ensures consistent messaging and a seamless user experience across multiple displays by keeping the video and audio signals in sync with one another
- Plug and play functionality allows the transmitter and receivers to automatically detect one another making installation and setup quick and easy
- Easy configuration of transmitters and receivers through the WDSDS Finder, an easy to use software application that runs in a standard web browser

*It is strongly recommended that WDSDS be on its own isolated network segment

<table>
<thead>
<tr>
<th>Item#</th>
<th>Description</th>
<th>MSRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>29505</td>
<td>TruLink Wireless Digital Signage Distribution System - Transmitter</td>
<td>$729.99</td>
</tr>
<tr>
<td>29506</td>
<td>TruLink Wireless Digital Signage Distribution System - Receiver</td>
<td>$729.99</td>
</tr>
</tbody>
</table>
TruLink® Wireless Digital Signage Distribution System
(Transmitter and Receiver)

- The WDSDS supports resolutions up to 1280x1024 @ 20fps or 1024x768 @ 30fps and contains an integrated “Lip-Sync” function that keeps the video and audio signals in sync with one another across all displays. A web-based software application allows users to manage all transmitters and receivers remotely. This includes the ability to view critical data such as connection rates and link status, as well as perform administrator tasks such as configuring, rebooting, or setting custom screens, from anywhere on the network. Supports Wired LAN (10Base-T/100Base-TX) and Wireless LAN (IEEE802.11a/g: Infrastructure/Ad hoc mode)

- Uses standard Ethernet network infrastructure allowing digital signs to be connected using network cabling and equipment that is already installed in a building*

- Transmit wirelessly up to 50 feet* and wired connection up to 3000 feet

- Plug-and-play functionality allows the transmitter and receivers to automatically detect one another making installation and setup quick and easy

- DVI-I connectors on the transmitter and receivers allow analog (VGA) or digital connections (DVI or HDMI) for maximum flexibility

- RS-232 port on receivers allow for additional control of the connected displays

- Flexible external antenna connectors allow for multiple antenna options and placement to meet your application

*Note: Distance varies depending on walls, obstacles, and electrical interference. Significantly larger distances are possible by using directional antennas. (Not included)
This system generates a large volume of multicast traffic, it should be on its own isolated network segment to avoid interference with other network information.
**Specification: TruLink® Wireless Digital Signage Distribution System**
(Transmitter and Receiver)

**Component Material:**
Enclosure Material: Metal
Logo Marking: White Printing Ink

**Transmitter-PN# 29505**

- **System Information**
  - **CPU:** Toshiba [TX4349] 400 MHz (32/64bit MIPS)
  - **RAM:** 128MB DDR
  - **ROM:** 8MB
  - **Interface**
    - **Video:** DVI-I (Use VGA-DVI cable for Analog RGB Input or Output/Component Input)
    - **Audio:** RCA Connector
    - **Serial:** RS-232 (DB9) - x 1
    - **Ethernet:** 10BASE-T / 100BASE-TX Auto detection (RJ-45) - x 1
    - **Wireless:** IEEE 802.11a /b /g mini PCI module - x1 (SX-10WAG)
    - **Distance:** Up to 50 feet with included antenna; Wired up to 3000 feet
  - **Power:** AC adapter (Operating voltage: 12~15V)
  - **LCD:** 16 characters x 2 lines (Transmitter only)
  - **IR I/F:** IR remote control (Receiver only)
  - **LED:** 4 LEDs on front side “POWER” / “STATUS” / “WIRELESS” / “ETHER” 2 LEDs on back side RJ-45 “Link” / “Status”
  - **Push Switch:** 4 buttons on front side “MENU” / “-” / “+” / “SET”

**Supported Resolution**

<table>
<thead>
<tr>
<th>Supported Resolution</th>
<th>Digital</th>
<th>Analog</th>
<th>Component</th>
<th>Max Frame Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA (640x480)</td>
<td>✔</td>
<td>✔</td>
<td>—</td>
<td>30fps</td>
</tr>
<tr>
<td>480i (720x480)</td>
<td>—</td>
<td>—</td>
<td>✔</td>
<td>30fps</td>
</tr>
<tr>
<td>480p (720x480)</td>
<td>✔</td>
<td>—</td>
<td>✔</td>
<td>30fps</td>
</tr>
<tr>
<td>SVGA (800x600)</td>
<td>✔</td>
<td>✔</td>
<td>—</td>
<td>30fps</td>
</tr>
<tr>
<td>XGA (1024x768)</td>
<td>✔</td>
<td>✔</td>
<td>—</td>
<td>30fps</td>
</tr>
<tr>
<td>720p (1280x768)</td>
<td>✔</td>
<td>—</td>
<td>✔</td>
<td>30fps</td>
</tr>
<tr>
<td>WXGA (1280x768)</td>
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<td>✔</td>
<td>—</td>
<td>30fps</td>
</tr>
<tr>
<td>FWXGA (1360x768)</td>
<td>✔</td>
<td>—</td>
<td>—</td>
<td>20fps</td>
</tr>
<tr>
<td>SXGA (1280x1024)</td>
<td>✔</td>
<td>✔</td>
<td>—</td>
<td>20fps</td>
</tr>
</tbody>
</table>

**Receiver-PN# 29506**

- **Operating Environment**
  - **Operating Temp.:** +32 to +90 degrees F (0 to 35 degrees C)
  - **Storage Temp.:** -4 to +140 degrees F (-20 to 60 degrees C)
  - **Operating Humidity:** 20% to 80% RH (non-condensing)
  - **Storage Humidity:** 20% to 80% (non-condensing)
  - **Power Consumption:** 6-10W (normal operation)
  - **External Power Supply:** AC 90-230V @ 60Hz input, DC 12V 1.5A output
  - **Dimensions**
    - **Unit Size:** 1.25”H x 8.0”W x 4.5”D
    - **Unit Weight:** 1.65 lbs (Transmitter) / 1.55 lbs (Receiver)
  - **Box Dimensions:** 8.25”H x 11.5”W x 2.5”D

**Approvals:** RoHS Compliant

**Warranty:** One Year

**Package Type:** Box