



# ipdisplays™

## Innovative Web-Based Smart LCD Appliance

- Cost Efficient
- Server-free Solution
- Open Interface
- Real-Time Data
- Remote “Snapshot”
- No Middleware Required





## > Specifications

### ◆ Electrical

Ethernet - RJ45 - 10/100Mb Cat5.  
USB 2.0 - Host - Type A connector.  
Audio - 3.5mm Jack - 3 conductor.  
Video - HDMI.  
Power Switch - none.  
Power Input:  
5.5/2.0mm jack.

### ◆ Power Requirements

Input - 5VDC, 1.0A  
Power Consumption:  
5W maximum  
2.8W typical

### ◆ Environmental - Indoor Use

Operating Temperature:  
-10°C ~ 40°C ambient.  
14°F ~ 104°F ambient.  
Relative Humidity:  
up to 90 % non-condensing.  
Ethernet Isolation:  
1500VAC min per IEEE 802.3.

### ◆ Mechanicals

Length: 5.6".  
Height: 1.375".  
Depth: 4.1"\*.  
Weight: 1lb.  
\*Not including connectors and attached items.

### ◆ Internals

Processor: TI OMAP 3530 at 600 MHz.  
Memory: 128 MG, 64 MB FLASH  
SD Memory: 2GB  
OS: WINCE 6.0

## > Display Features

### ◆ Integrated 10/100 Ethernet

This is the core of our technology which allows for superior ease of use and integration in conjunction with the unit's built-in web-server. TCPIP enabled out of the box. Use built-in support for DHCP and NTP to aid in your ease of configuration.

### ◆ Video Interface

Connect to a HDMI or DVI based LCD or Plasma display. Resolutions up to 720p are supported.

### ◆ Customizable Background

Use images (Bmp, Jpeg, Tiff, or Png) for your background. This can give a custom look and feel to your display. Change your background dynamically using our Conditions feature to further add some pop or draw attention when needed.

### ◆ Direct PLC Interfaces

Connect to Standard based PLC's including: Ethernet/IP, Rockwell, WAGO, Modbus TCP, and OPC.

### ◆ Dynamic sign layouts

Schedule any number of layouts with our Playlist manager. Show real-time data, statistics, company news, safety information, or general messages in their own unique layout to get the impact you want. The Playlist manager allows you to schedule the times and order - it is all under your control.

## > Features Continued

### ◆ Browser based interface

Ease of use exemplified. Manage your display from a simple web-browser anywhere - any time. Send messages, check status, and manage thresholds, layouts, remote or local data fields all from web pages hosted on the sign. No software to install and no custom programming needed.

### ◆ Live message elements

Insert data into any message. You can have real-time data and see it update dynamically on the display. Any message may contain static or scrolling text, live data, database elements, clocks, bit-mapped graphics or any combination therein.

### ◆ Data thresholds

Set thresholds on your data to change your message color or state to bring impact to an event.

### ◆ Conditions/Program Logic

Program logic can be tied to variables on the sign. As data is changed "Program logic" can be used to Activate/Deactivate Messages, Layouts, Thresholds, Commands or even update other variables on the sign.

### ◆ Simple Integration/Open Interface

Use simple standard XML syntax and constructs to send data to the display. No proprietary protocols, syntaxes, or languages to learn. Any XML capable application like MS Excel, SQL Server, Oracle, or programming language like Perl, VB, or C# can easily update data fields or elements on the sign.

### ◆ Remote 'snapshot'

Not where you can see your display, no problem. View exactly what is on the display no matter where you are. The sign generates an instant copy of what is being displayed and sends it right to your browser.

