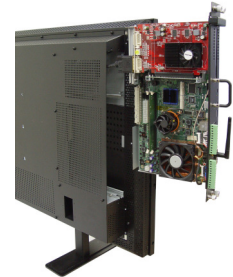


3.5G Application for Digital Signage in Remote Area

Wincomm Integrates 3.5G WWAN Module & IR Dual Touch to 42" All-in-one Digital Signage System

Hsinchu, Taiwan, January 29, 2010 – Wincomm's WMS-42Plus2 is a mainstream all-in-one digital signage system, the 42" full HD (1920x1080) LCD display is integrated with powerful Intel Core 2 Duo 2.66 GHz processor and Q965/ICH8 chipsets. The main board chassis is mounted on Wincomm's unique patented swappable docking module for the best flexibility of convenient upgrade and maintenance.



*The swappable docking
module design*

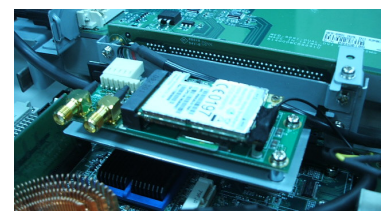
Along with the built-in PCI-E expansion slots for add-on graphics card, TV tuner / video capture card, wireless LAN card and utility accessories, such as speakers, camera module, mounting bracket...etc, WMS-42Plus2 can fulfill various digital signage applications with a neat & clean installation and immediate plug & play convenience.

To further meet some special needs from field deployment, Wincomm explores the 3.5G WWAN (Wireless Wide Area Network) module and IR dual touch solution.

3.5G WWAN module

As WMS-42Plus2 is not a mobile device and normally it is installed at a fixed site, often LAN (wired or wireless) is the major connection for accessing server and Internet. But for some environments when LAN is not available, cellular telecommunication based wireless WAN provides the necessary solution.

Wincomm verifies a 3.5G WWAN module with only 51x30x10 mm (W x D x H) dimension, it can be easily slid into the WMS-42Plus2's PCI express mini card slot. Along with an external antenna and modem operation, user can connect to the cellular network service provider for Internet & VPN access.



3.5G module in PCI express mini slot

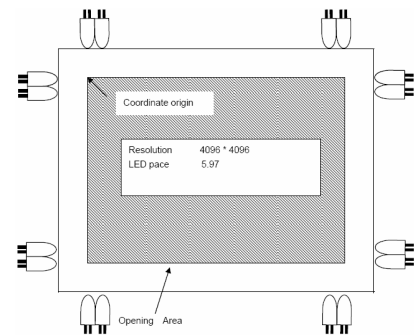
This WWAN module can support latest 3.5G mobile communications –

1. The WCDMA (Wideband Code Division Multiple Access, FDD 850/1900/2100 MHz) with modem operation of 2 Mbps uplink (HSUPA, High Speed Uplink Packet Access, a 3G mobile telephony protocol) and 7.2 Mbps downlink (HSDPA, High Speed Downlink Packet Access, a 3.5G/3G+ mobile telephony protocol) to generate higher data transfer speed and capacity
2. The EDGE (Enhanced Data rates for GSM Evolution, also known as EGPRS / Enhanced General Packet Radio Service, 850/900/1800/1900 MHz) is an extension of the 2G GSM (Global System for Mobile Communication) to handle four times as much traffic as standard GPRS. .

IR Dual Touch

Beside as an informative signage system, Wincomm integrates the WMS-42Plus2 with IR (Infrared) dual touch panel for interactive signage applications.

IR dual touch panel uses an array of infrared light-emitting diodes (LEDs) on two adjacent bezel edge, with photo-sensors placed on the two opposite side bezel edges to detect & locate a touch-point coordinate. For a 42" IR touch panel, the number of optical element is 156 x 88 and can detect stylus input as small as 6 mm.



IR touch panel illustration

IR touch is especially suitable for large size touch application as the per inch cost is optimized. The sensor digital output secure high accuracy and periodical re-calibration is almost not required. IR touch does not use glass or plastic overlay thus won't reduce the display quality. To protect LCD, Wincomm can provide tempered glass or vandal-resistant glass for special harsh application.

Wincomm chooses to use the IR touch that can detect two simultaneous touch points, this dual touch is a entry implementation of multi-touch that is gaining its popularity as a more intuitive way of computer interaction.

Summary

42" full HD LCD integrated with powerful Intel Core 2 Duo platform is a mainstream for large size all-in-one digital signage system. With Wincomm's unique swappable docking module design, 3.5G WWAN PCI express mini card and IR dual touch integration, WMS-42Plus2's complete functionality is an ideal solution for your signage applications.

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If you have any questions or requests to our products, please contact our Sales representatives or mail directly to sales_support@wincomm.com.tw

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