Touch Revolution

NIMble™ HMI Embedded Touch Computer

NIMble HMI Embedded Multi-Touch Computer

The NIMble Human Machine Interface (HMI) is a complete *projected capacitive touch system* that OEMs can use to quickly create an advanced touch product.

- Powerful ARM processor with integrated touch OS
- Complete drop-in module
- Flexible communication interfaces
- Complete software and driver support
- Nimble DMS Device Management System

The Fast Track to Development

Imagine adding a great gesture-based touch interface to your product without spending months and hundreds of thousands of dollars to develop the touch hardware and software. This module drops in with common mounting configurations and standard communication interfaces. Simply write your applications and you're ready to integrate.

Complete Integrated Solution

The NIMble HMI contains all the necessary hardware including a Projected Capacitive touch screen, embedded single board computer, power supply and metal enclosure with standard mounting screw holes. All this with a full working Android OS. Plug the unit into power and you are ready to go.

Compact and Rugged

The NIMble HMI adheres to the stringent reliability requirements which make it ideal for industrial, enterprise and retail environments. Nonvolatile storage and a fan-less embedded computer combine to make the system silent, small and reliable.

Variety of Communication Interfaces

Whether you are using the NIMble HMI in retail, industrial or enterprise environments there is a communication interface that is ready to talk to whatever peripheral you are using. The interfaces vary from Wifi and wired ethernet all the way to RS232.

World Leader in *Projected Capacitive Touch*

Specifications

NIMble HMI HARDWARE

Processor	OMAP3730
Memory	256 MB
Flash Storage	256 MB
Networking	10/100 Mbps Ethernet connection
WiFi	802.11 b/g with U.FL antenna connector
RTC w/ Battery	Single cell battery to maintain real time clock
Audio	Line level stereo audio output and microphone input
EEPROM	1 KB EEPROM
Touch Screen	7" Fusion Touch Display - other sizes available as custom products
Power Connector	5V Power and Ground
Expansion Connectors Signals	USB 2.0 OTG, USB 2.0 HOST, Micro SDHC, RS232/422/485, GPIO, Power, I2C, UART
Button/LED Connector	4 buttons (Power, Home, Back, Menu)

SOFTWARE

Operating System	Linux 2.6.32 (WinCE available on request)
Application Framework	Customizable Android 2.2 ("Froyo" Distribution) with source code Upgradable to future versions
System Software Update	NIMble DMS network management system and application update or via SD card

MECHANICAL

Touch Screen Mount	Flush, bezel-less design
Enclosure	Fan-less design in a single piece metal enclosure
Mounting Methods	Rear: VESA standard mounting; Side and Front: Bracket mounting

ENVIRONMENTAL

Operating Range	0º to +60ºC
Storage Range	-40º to +85ºC
Humidity	10% - 90% (non-condensing)