Touch Revolution

NIMble™ Embedded Touch Computer

The NIMble embedded touch computer (ETC) module 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
- Flexible platform
- Works with Fusion™ touch displays
- Complete software and driver support

NIMble Embedded Multi-Touch Computer

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. Simply create your product I/O boards and enclosure, write your applications and you're ready to launch.

Pre-Integrated Solution

The main processor board contains an OMAP 3530 ARM processor, 3D/2D Graphics acceleration, a DSP for video acceleration, memory, touch display and optional MMC/SD, WiFi, USB, Ethernet, Video In/Out, and connectors that let you design it into virtually any product.

Launch-Ready

- Designed for performance in different product types
- Locking connectors for secure mechanical integration
- Tested and qualified for high volume manufacture
- Modules pass rigorous inspection and testing
- Customizable optimized Android operating system
- Pairs perfectly with Fusion touch displays

featuring android

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Specifications

NIM2000 HARDWARE	
Processor	OMAP3530
Memory	256 MB
Flash Storage	256 MB
Networking	Local bus 10/100 Mbps by expansion connector (transformer on board), two LED signals also available for speed and link LEDs
WiFi	802.11 b/g with U.FL antenna connector
RTC w/ Battery	Single cell battery to maintain real time clock
SD/MMC	Signals from the processor through expansion connector
USB Host	Signals from the processor through expansion connector
USB OTG	Signals from the processor through expansion connector
Analog or Digital Audio	Signals from the PMIC through expansion connector – depends on configuration
Analog Video In/Out Connector	Composite video in and out
EEPROM	1 KB EEPROM
Touch Screen	10.1"or 7" Fusion touch display – other sizes available as custom products
Power Connector	5V Power and Ground
Expansion Connector Signals	LAN, Power, GPIO x 6 , I2C x 2, USB 2.0 OTG, USB 2.0 Host, Power, UART, System Reset, Power On, L/R Line-In, L/R Line-Out, SD/MMC, UART
Button/LED Connector	10 GPIO pins
SOFTWARE	
Operating System	Linux 2.6.32
Application Framework	Customizable Android 2.2 ("Froyo" Distribution) with source code Upgradable to future versions
System Software Update	Network or SD card system and application update mechanism

ENVIRONMENTAL	
Operating Range	0º to +60ºC
Storage Range	-40º to +85ºC
Humidity	10% ~ 90% (noncondensing)

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