



NIMble™ Desktop Smartphone

The NIMble™ Desktop Smartphone from Touch Revolution is a reference design for an Android-based desk phone for enterprise, SMB, and SoHo markets. The NIMble™ Desktop Smartphone features a beautiful capacitive touch screen and runs the Android application framework. This enables enterprise-class branded VoIP product and service vendors to rapidly design and launch a collaborative application endpoint with an advanced touch interface.

Highlights of the NIMble Desktop Smartphone include a high-resolution WVGA projective capacitive touch display, wideband voice, speakerphone, Ethernet connectivity, a powerful ARM processor running Android, 2 USB ports and a customizable Android user interface designed for simplicity and enhanced productivity. Additionally, the NIMble™ Desktop Smartphone platform has the ability to add features such as desktop Wi-Fi connectivity, embedded Bluetooth™ radio, video conferencing, and gigabit Ethernet support.

The NIMble Desktop Smartphone reference design is ready for hardware and software customization for the final feature set, including custom I/O connectors. This makes it an ideal starting point for product and service vendors looking to launch the next generation of office IP smartphone.

Touch Revolution will complete final design, test, and manufacturing to customer specifications.

Features and Benefits

Major features of the NIMble Desktop Smartphone design include:

- 7" WVGA (800 x 480) projective capacitive touch display
- Reference industrial/mechanical design
- A customizable advanced phone UI designed around the open Android application framework
- Take advantage of 3rd party applications
- Wideband voice option
- Configurable button pad option
- Ethernet switch port available to daisy chain the phone to a desktop PC
- Bluetooth™ 2.0/2.1 + EDR stereo (A2DP)
- SD card slot and 2 USB ports for additional storage and accessory connectivity
- Hands free speakerphone, and support for wired and wireless headsets



NIMble Desktop Smartphone Specifications

STANDARD PHONE COMPONENTS

Touch Screen	7" Projective Capacitive WVGA Display
CPU	806MHz ARM Processor
Operating System	Integrated Customizable Android Framework
RAM	256MB RAM
Storage	512 MB NAND Flash (<i>Expandable through MMC/SD</i>)
Audio	Speaker Phone Microphone Wideband Handset 3.5mm Headset Connector
Wired Connectivity	Ethernet 10/100
I/O	Android Buttons, SD Card, 2 USB Host, Power, RJ-45, Handset, LED

TOUCH DISPLAY

Sensor Type	Projective Capacitive – Clear Glass
Surface Treatment Options	Chemically Strengthened Glass, Anti-Glare, Anti-Smudge Coatings
Display	7" Diagonal LCD
Resolution	WVGA 800 x 480 pixels

OPTIONAL FEATURES

Wireless Connectivity	WiFi 802.11 b/g (with 802.11e QoS, 802.11i)
Bluetooth	Bluetooth 2.1 + EDR
USB (Device, Host, Hub)	USB 2.0 Device Full speed and High Speed Additional USB Host
Buttons	Customizable button pad - volume, keypad, function keys
Audio	Stereo Speakers

Specifications Subject to Change Without Notice

