

[Nexus One Phone - Feature overview & Technical specifications](#)



Power and battery

Removable 1400 mAH battery

Charges at 480mA from USB, at 980mA from supplied charger

Talk time

Up to 10 hours on 2G

Up to 7 hours on 3G

Standby time

Up to 290 hours on 2G Up to 250 hours on 3G

Internet use

Up to 5 hours on 3G

Up to 6.5 hours on Wi-Fi

Video playback

Up to 7 hours

Audio playback

Up to 20 hours

Processor

Qualcomm QSD 8250 1 GHz

Operating system

Android Mobile Technology Platform 2.1 (Eclair)

Capacity

512MB Flash

512MB RAM

4GB Micro SD Card (Expandable to 32 GB)

Location

Assisted global positioning system (AGPS) receiver

Cell tower and Wi-Fi positioning

Digital compass

Accelerometer

Size and weight

Height

119mm

Width

59.8mm

Depth

11.5mm

Weight

130 grams w/battery

100g w/o battery

Display

3.7-inch (diagonal) widescreen WVGA AMOLED touchscreen

800 x 480 pixels

100,000:1 typical contrast ratio

1ms typical response rate

Camera & Flash

5 megapixels

Autofocus from 6cm to infinity

2X digital zoom

LED flash

User can include location of photos from phone's AGPS receiver

Video captured at 720x480 pixels at 20 frames per second or higher, depending on lighting conditions

Cellular & Wireless

UMTS Band 1/4/8 (2100/AWS/900)

HSDPA 7.2Mbps

HSUPA 2Mbps

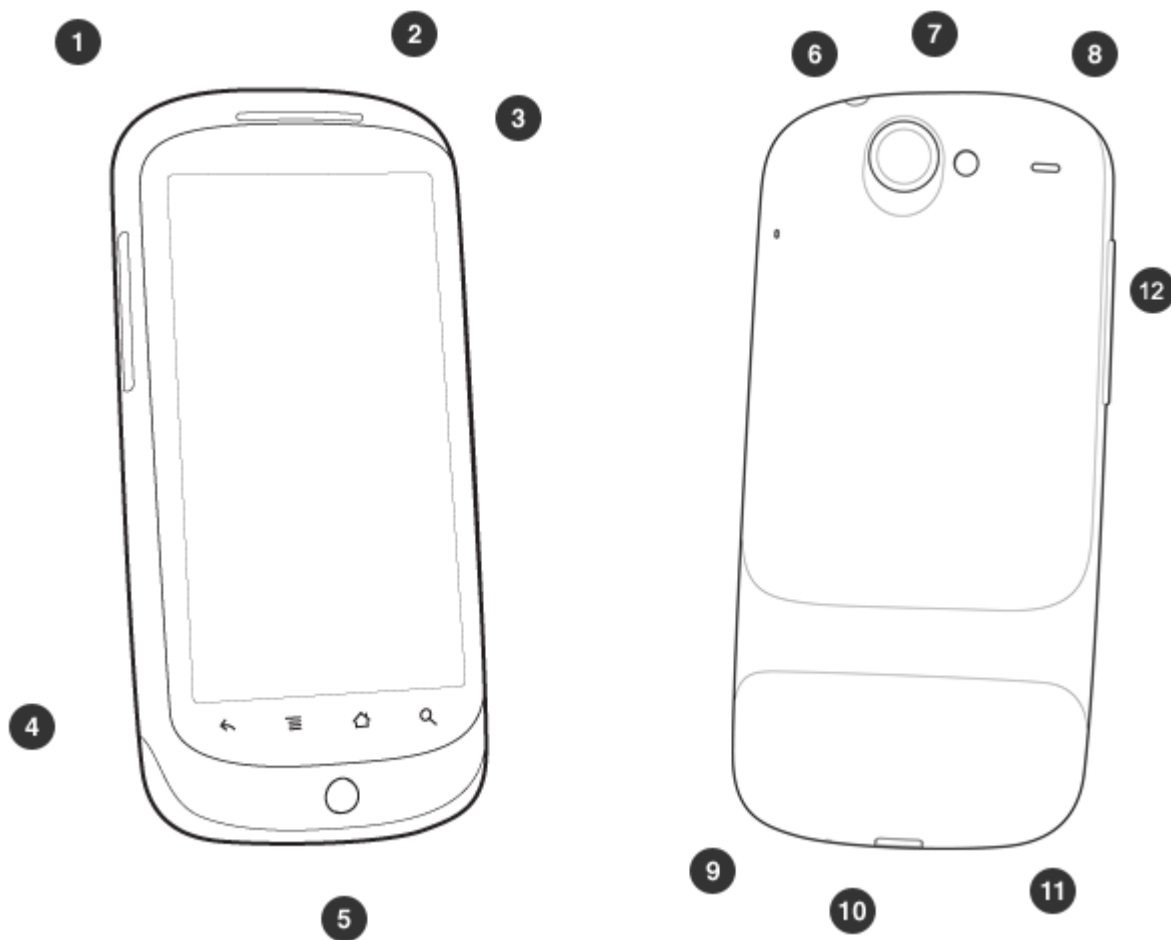
GSM/EDGE (850, 900, 1800, 1900 MHz)

Wi-Fi (802.11b/g/n)

Bluetooth 2.1 + EDR

A2DP stereo Bluetooth

Buttons, connectors and controls



Front / Top

[1] Power

[2] 3.5mm stereo headphone jack

[3] Charging and notification indicator

[4] Illuminated capacitive soft keys:
Back, Home, Menu, and Search

[5] Tri-color clickable trackball

Back / Bottom

[6] Camera

[7] Camera flash

[8] Speaker

[9] Dock pin connectors

[10] Micro USB port

[11] Microphone

Left side

[12] Volume Control

Additional features

- Haptic feedback
- Teflon™ coated back
- Second microphone for active noise cancellation
- SIM card slot
- Micro SD slot
- Proximity sensor
- Light sensor

Graphics, video and audio

Audio decoders

AAC LC/LTP, HE-AACv1 (AAC+), HE-AACv2 (enhanced AAC+) Mono/Stereo standard bit rates up to 160 kbps and sampling rates from 8 to 48kHz, AMR-NB 4.75 to 12.2 kbps sampled @ 8kHz, AMR-WB 9 rates from 6.60 kbit/s to 23.85 kbit/s sampled @ 16kHz., MP3 Mono/Stereo 8-320Kbps constant (CBR) or variable bit-rate (VBR), MIDI SMF (Type 0 and 1), DLS Version 1 and 2, XMF/Mobile XMF, RTTTL/RTX, OTA, iMelody, Ogg Vorbis, WAVE (8-bit and 16-bit PCM)

Image

JPEG (encode and decode), GIF, PNG, BMP

Video

H.263 (encode and decode) MPEG-4 SP (encode and decode) H.264 AVC (decode)

Audio encoders

AMR-NB 4.75 to 12.2 kbps sampled @ 8kHz

Language support

Display

English (U.S), French (France), German, Traditional Chinese, Simplified Chinese, Italian, Spanish, Portuguese (Brazil), Korean, Japanese, Russian,

Keyboard

English (U.S), French (France), German, Italian, Spanish, Portuguese (Brazil),

