

Nexus One Phone - Feature overview & Technical specifications



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

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

User can include location of photos from phone's AGPS receiver 4GB Micro SD Card (Expandable to 32 GB)

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

Location

Assisted global positioning system (AGPS) receiver

Cell tower and Wi-Fi positioning

Digital compass

Accelerometer

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)

Bluetooth 2.1 + EDR

A2DP stereo Bluetooth

Buttons, connectors and controls

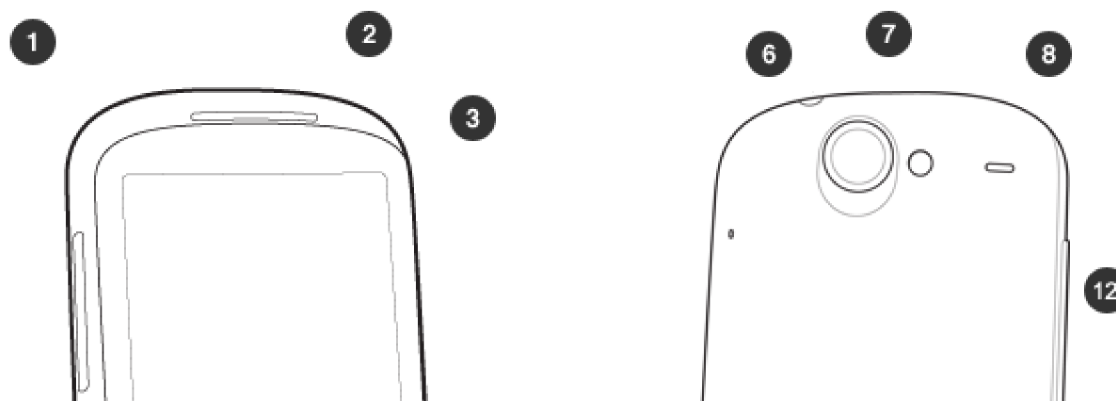
Front / Top

[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

Image

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

Video

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

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

H.264 AVC (decode)
Audio encoders
AMR-NB 4.75 to 12.2 kbps sampled @ 8kHz

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)

Language support

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

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