

Nokia N81

Enjoy ultimate entertainment on-the-go with the Nokia N81 microSD. Save up to 1600 of your favorite songs in a manageable playlist, while carrying top mobile N-Gage games from exciting publishers in your pocket to play with anytime.



Features at a glance

- Store up to 1600 songs* of high quality music
- Superior mobile gaming with dedicated game keys in landscape or portrait view
- Discover N-Gage application
- Connect to the world with WLAN connection
- Up to 2 megapixel camera with up to 20x digital zoom camera

Operating Frequency

- WCDMA 2100 + EGSM 850/900/1800/1900 MHz
- Automatic switching between bands and modes

Dimensions

- Volume: 86 cc
- Weight: 140 g
- Length: 102 mm
- Width: 50 mm
- Thickness (max): 17.9 mm

Memory Functions

- Hot swappable microSD memory card slot

Power Management

- Battery: Nokia Battery (BP-6MT) 1050 mAh
- Talk time*: Up to 3 - 4 hrs GSM / 3 hrs WCDMA
- Standby time*: Up to 17 days (in GSM)
- Video playback time*: up to 4.5 hrs (QVGA)
- Browsing time* (packet data): up to 5 hrs
- Music playback time*: up to 11.5 hrs
- Video recording time*: up to 3.5 hrs with (QVGA)
- Gaming time*: up to 6 hrs

Display

- Active matrix 2.4" QVGA main color display (320 x 240 pixels), up to 16 million colors

User Interface

- Operating system: Symbian OS ver. 9.2
- User Interface: User interface: S60 3rd Edition, Feature Pack (S60 3.1)
- Dedicated media keys for quick and easy access to music and video: play/pause, forward, rewind, stop
- Dedicated game & volume keys
- Device hold key
- Multimedia key & Navi™ wheel

Call Management

- Contacts: advanced contacts database with support for multiple phone and e-mail details per entry, also supports thumbnail pictures and groups
- Speed dialing
- Logs: keeps lists of your dialed, received, and missed calls
- Automatic redial
- Automatic answer (works with compatible headset or car kit only)
- Supports fixed dialing number, which allows calls only to predefined numbers
- Conference call
- Nokia push to talk (PoC)

Voice Features

- Speaker independent name dialing (SIND)
- Voice commands
- Voice recorder
- Talking ringtone
- Integrated hands-free speaker
- Internet calls (VoIP)

Messaging

- Text messaging: supports concatenated SMS, picture messaging, SMS distribution list
- Multimedia messaging: combine image, video, text, and audio clip and send as MMS to a compatible phone or PC; use MMS to tell your story with a multi-slide presentation
- Automatic resizing of your megapixel images to fit MMS (max 300 KB size depending on the network)
- Predictive text input: support for all major languages in Europe and Asia-Pacific

Connectivity

- WLAN IEEE802.11 b/g with UPnP (Universal Plug and Play) support
- Bluetooth Specification 2.0 (profiles supported: DUN, OPP, FTP, HFP, GOEP, GAP, SPP, HSP, BIP, A2DP)
- Micro USB 2.0 Full Speed (mass storage class)
- Nokia AV Connector 3.5 mm

Additional Technical Specifications

- Protocols: MTP, UPnP, TCP/IP
- Java™ MIDP 2.0, CLDC 1.1
- Flash Lite 2.0

Imaging and video

- Up to 2 megapixel (1600 x 1200 pixels) camera, MPEG-4 QVGA video capture of up to 15fps
- Zoom: digital up to 20x
- Front camera (CIF)
- Video call and video sharing support (WCDMA network services)
- Integrated flash (modes: on, off, automatic, redeye reduction)
- Rotating gallery
- Online album/blog: photo/video uploading from gallery
- Nokia Lifeblog support
- Video and still images editors
- Nokia XpressPrint solution direct printing via USB (PictBridge) or Bluetooth connectivity (BPP)

Music Features

- Nokia Nseries digital music player supports MP3 (VBR), AAC, eAAC+, AAC+, WMA/M4A, WAV
- OMA DRM 1.x, 2.0, Windows Media DRM (OTI/OTA with Nokia Music Store*)
- Hot swappable microSD memory card slot (2 GB inbox = up to 1600 songs**)
- Play list management
- Synchronize music with Windows Media Player 11
- Media keys (play/pause, stop, forward, rewind)
- Integrated stereo speakers
- Dedicated volume keys (20 volume steps)
- 5-band equalizer
- Nokia AV Connector 3.5 mm (can also be used with standard 3.5 mm headphones)
- Nokia Stereo Music Headset (HS-45 + AD-54) as inbox accessory
- Navi™ wheel support
- UPnP(Universal Plug and Play) music streaming
- Bluetooth wireless technology A2DP profile (Bluetooth stereo)

Nokia Podcasting

- Find, subscribe to and download podcasts over the air direct to your device
- Listen to or watch the podcast
- Browse and search the feed directory to find the podcasts you want
- Subscribe and get new podcast episodes downloaded automatically
- Choose whether the Podcasting application uses wireless LAN (requires WLAN network access) or GPRS/WCDMA packet data (requires a packet data plan) to download podcasts to your Nokia Nseries device.

FM Radio with Visual Radio support

- Stereo FM radio (87.5-108 MHz /76-90 MHz)***
- Get instant access to your favorite stations.
- Connect to the FM radio and find the music, sports and news broadcasts in the station list for your region
- Choose your favorites from a regularly updated directory and save them as a preset
- Listen to music and interact with your favorite radio stations
- Find out what song is playing, who sings it, and other artist information
- Enter contests and answer surveys, vote for your favorite songs

Nokia Music Store

- Purchase music online in Nokia Music Store*
- Connect to your account from your compatible PC and mobile device
- Search by artist name or title
- Explore more music with genre searches and recommendations
- Buy, download and listen to tracks on your PC
- Connect to Nokia Music Store on your mobile device through WiFi or 3G networks
- Use the wishlist to tag tracks on your mobile device to download later on your PC
- Listen to 30 second clips before choosing to download
- Buy and use pre-paid and bonus credit
- Use Microsoft's Windows Media Player 11 installed on your compatible PC to synchronize

*To check the Nokia Music Store availability in your country, visit www.music.nokia.com

**Capacity based on 3:45 minutes per song and 48 kbps eAAC+ (M4A) encoding on the Nokia Music Manager for Nokia N81 with 2GB microSD memory card. Capacity with 128 kbps AAC encoding is up to 500 songs. Size of microSD card in sales package may vary by country.

***Stereo sound can only be heard with a compatible stereo headset

****Availability of the full N-Gage experience is targeted for the second half of 2007. Check www.n-gage.com or your Nokia dealer for more information. Your Nokia N81 8GB/N81 includes a special N-Gage preview application and game demos to give you a glimpse of what's ahead.

Multimedia Menu

- Music & podcasts
- Games
- Images & videos
- Most important contacts
- Internet bookmarks
- Points of interests

Navigation

- Nokia Maps application
- Navigation with Nokia Wireless GPS module LD-3W (sold separately)

Search and Find

- Nokia Mobile Search (local & internet search)

E-mail

- Easy-to-use e-mail client with attachment support for images, videos, music and documents
- Compatible with Nokia Wireless Keyboard (sold separately)

Browsing

- Nokia Web Browser with Mini Map

Digital home

- Play video, music and photos on home media network
 - compatible TV, stereo and PC over WLAN/UPnP (Universal Plug and Play)

Other Applications

- Personal Information Management (PIM)
- Advanced S60 PIM features including calendar, contacts, to-do list, and PIM printing
- Settings Wizard for easy configuration of e-mail, push to talk and video sharing
- Data transfer application for transfer of PIM information from other compatible Nokia devices.
- WLAN wizard
- High quality text to speech

Connectivity

- Integrated wireless LAN (802.11 b/g) and UPnP (Universal Plug and Play)
- Bluetooth wireless technology with A2DP (Bluetooth stereo audio)
- USB 2.0 via Micro USB interface and mass storage class support to support drag and drop functionality
- 3.5 mm stereo headphone plug (Nokia AV Connector)
- Nokia PC Suite connectivity with USB and Bluetooth wireless technology
- Local synchronization of contacts and calendar to a compatible PC using Nokia Nseries PC Suite
- Remote over-the-air synchronization
- Send and receive images, video clips, graphics, and business cards via Bluetooth wireless technology

RealPlayer Media Player

- Full-screen video playback on the device to view downloaded, streamed or recorded video clips
- Stream media files from compatible media portals
- Supported video formats: MPEG-4, H.264, H.263/3GPP, RealVideo 8/9/10

RealPlayer Media Player

- Full-screen video playback on the device to view downloaded, streamed or recorded video clips
- Stream media files from compatible media portals
- Supported video formats: MPEG-4, H.264, H.263/3GPP, RealVideo 8/9/10

Gaming

- Dedicated game keys
- Play games in landscape or portrait view
- Discover N-Gage application including:
 - Space Impact Light
 - Asphalt game demo
 - Fifa soccer 2007 demo
- Possibility to download N-Gage application (when available)

Standard Sales Package Contents*

- Nokia N81
- Nokia Music Headset HS-45 with remote control AD-54
- Nokia Connectivity Cable CA-101
- Nokia Battery BP-6MT
- Nokia Compact Travel Charger AC-5
- Nokia 2 GB** microSD Card MU-37

*Sales package content may vary by region

**Inbox memory size may vary by country

Available colors



Graphit Grey

Cobalt Blue

*Operation times vary depending on the network and usage. The availability of the product and its features depends on your area and service providers, so please contact them and your Nokia dealer for further information. These specifications are subject to change without notice. Phone specifications mentioned above are based on the latest available information; please visit www.nokia-asia.com for the most recently updated product specifications.

www.nokia-asia.com/n81