

## Sleek design. Capable multimedia computer.

Share and enjoy songs, photos and more with the power-packed capabilities of the Nokia N78. Surround yourself with your favourite music in superb quality or send pictures to friends while looking effortlessly elegant on the move at the same time. Never get lost again with GPS functions while accessing the Internet or your home media content wherever you are, whenever you want to.



### Features at a glance

- Know where you are, where you've been, and where you're going.
- Immerse yourself in music with superb audio quality, with or without wires.
- Access the web and your home content while on the move.

#### Operating Frequency

- Dual mode WCDMA 900/2100 (HSDPA), GSM/GPRS/EGPRS 850/900/1800/1900 MHz
- Automatic switching between bands and modes

#### Dimensions

- Volume: 76.5 cc
- Weight: 101.8 g
- Length: 113 mm
- Width: 49 mm
- Thickness (max): 15.1 mm

#### Memory Functions

- Up to 70MB internal memory
- microSD memory card support (hot swappable)
- Approx. memory capacity indication with included 2GB microSD card:
  - Video (VGA @ 15fps): up to 120 min-
  - Photos (3.2 megapixel): up to 3,400 photos
  - Music (eAAC+): up to 1,500 tracks\*

\* Capacity based on 3:45 per song with 48 kbps eAAC+ (M4A) encoding on the Nokia Audio Manager. Capacity with 128 kbps AAC encoding is up to [1500] songs.

#### Power Management\*

- Battery: Nokia Battery BL-6F 1200mAh
- Talk time: up to 190 minutes (WCDMA); 260 minutes (GSM)
- Stand-by time: up to 320 hours (WCDMA); 320 hours (GSM)
- Still images: up to 375 pictures (3.2 megapixel)
- Video capture: up to 215 minutes (VGA @ 15fps)
- Video call: up to 125 minutes
- Video playback: up to 280 minutes (VGA @ 15fps)
- Music playback: up to 24 hours (offline mode)
- Web browsing: up to 3 hours (3.5G)
- FM radio: up to 14 hours

\* Operation times may vary depending on radio access technology used, operator network configuration and usage.

#### Display and User Interface

- 2.4" QVGA (240 x 320 pixels) TFT colour display with up to 16 million colours and wide 160° viewing angle. Ambient light detector - to optimise display brightness and power consumption
- Operating system: Symbian OS
- User Interface: S60 3rd Edition, Feature Pack 2
- Java™: MIDP 2.0
- C++ and Java SDKs

#### Call Management

- Call logs, speed dial, voice dialling, voice commands, and talking ringtone
- OMA PoC 1.0

#### Messaging

- E-mail (SMTP, IMAP4, POP3), MMS, SMS

#### Data Transfer\*

- WCDMA 850/1900 (HSDPA) with simultaneous voice and packet data (PS max speed UL/DL= 384/3.6MB, CS max speed 64kbps)
- Dual Transfer Mode (DTM) support for simultaneous voice and packet data connection in GSM/EDGE networks. Simple class A, multi slot class 11, max speed DL/UL: 118.4/118.4 kbits/s
- EGPRS class B, multi slot class 32, max speed DL/UL= 296 / 177.6 kbits/s

\* Actual achieved speeds may vary depending on network support.

#### RealPlayer media player

- Full-screen video playback to view downloaded, streamed or recorded video clips
- Supported video formats: MPEG-4, H.264/AVC, H.263/3GPP, RealVideo 8/9/10, Flash 3.0

#### Imaging and video

- Up to 3.2 megapixel (2048x1536 pixels) camera, Carl Zeiss Optics, Tessar™ lens, MPEG-4 VGA video capture of at 15 fps
- Secondary camera, CIF (352x288 pixels) sensor
- On device photo editor (manual & automatic) and video editor (manual).
- 2.4" QVGA (240 x 320 pixels) TFT colour display with up to 16 million colours and wide 160° viewing angle. Ambient light detector - to optimise display brightness and power consumption
- Nokia XpressShare solution - share easily from Photos application or after capture via email, by using Bluetooth connectivity or MMS. Video call and video sharing support (WCDMA network services)
- Online album/blog: image/video uploading from Photos application or camera post-capture view
- Tag images automatically with capture location and show on a map where they were captured.
- Nokia XpressPrint solution - online printing service or direct printing via USB, Bluetooth connectivity (BPP), WLAN (UPnP), from compatible memory card.

#### Mobile Video

- Video resolutions: up to VGA @ 15 fps
- Audio recording: AAC stereo, 48kHz
- Video clip length: max 60 min per clip
- Video file format: .mp4 (default), .3gp (for MMS)
- White balance: automatic, sunny, cloudy, incandescent, fluorescent
- Scene: automatic, night
- Colour tone: normal, sepia, B&W, negative
- Zoom: Digital up to 8x

#### Mobile Photography

- Still image resolutions: up to 3.2 megapixel (2048x1536)
- Still image file format: JPEG/EXIF
- Auto focus
- Auto exposure - center weighted AE
- Exposure compensation: +2 ~ -2EV at 1/3EV step
- White balance : automatic, sunny, cloudy, incandescent, fluorescent
- Scene: automatic, user, close-up, landscape, night, night portrait
- Scene: automatic, user, close-up, landscape, night, night portrait
- Colour tone: normal, sepia, B&W, negative
- Zoom: Digital up to 20x
- LED flash
- Secondary camera, CIF (352 x 288) sensor

#### Camera Specifications

- CMOS, 3.2 megapixel (2048x1536)
- Carl Zeiss optics: Tessar™ lens
- Focal length: 4.6 mm
- Focus range: 10 cm ~ infinity
- Macro focus distance: 10 cm - 30 cm

#### Music Features

- OMA DRM 2.0 support for music.
- Integrated FM transmitter (88.1 - 107.9 MHz)
- Nokia Internet Radio
- Stereo speakers
- Nokia Stereo Headset HS-45/AD-54
- Digital music player: supports MP3/ AAC/ AAC+/ eAAC+/ WMA with playlists, equaliser and album art
- Synchronise music with Windows Media Player 10 & 11
- Rip your CDs with one click, converting and transferring music to your device using Nokia Music Manager
- Stereo FM radio (87.5-108MHz /76-90MHz) with Visual Radio™ support

#### Navigation

- Integrated Assisted Global Positioning System (A-GPS)
- Pre-installed Nokia Maps application and free downloadable maps\*

\* The service is available free of charge, although any data transferred over the network will incur charges from your network operator. To check the availability and cost of the service, contact your network operator or service provider.

#### E-mail

- Easy-to-use email client with attachment support for images, videos, music and documents
- Compatible with Nokia Wireless Keyboard SU-8W (sold separately)

#### Browsing and Internet

- Nokia Web Browser with Mini Map
- Web feeds support (RSS)
- xSP framework support

### Digital home

- Access multimedia content on your compatible home media network over UPnP

### Java Applications

- Java™: MIDP2.0
- Over-the-air download of Java-based applications and games

### Other Applications

- Personal Information Management (PIM)
- Advanced S60 PIM features including contacts, calendar, to-do list, notes, recorder, calculator, clock, converter
- Office applications: Quickoffice supports viewing of common e-mail attachments and Adobe PDF Reader
- 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

### Connectivity

- WLAN IEEE802.11 b/g with UPnP support
- USB 2.0 high-speed through micro USB connector
- Bluetooth wireless technology 2.0 + EDR
- Nokia AV connector 3.5mm
- Nokia Nseries PC Suite connectivity with USB, and Bluetooth wireless technology
- Local synchronisation of contacts and calendar to a compatible PC using connection
- Remote over-the-air synchronisation
- Send and receive images, video clips, graphics, and business cards via Bluetooth wireless technology

### Standard Sales Package Contents

- Nokia N78 (including Nokia 2GB microSD Card MU-37)
- Nokia Battery BL-6F
- Nokia Travel Charger AC-5
- Nokia Music Headset HS-45/AD-54
- Nokia Connectivity Cable CA-101
- User guide
- Quick Start guide
- DVD

### Available colours



Lagoon Blue

Cocoa Brown

\* 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](http://www.nokia-asia.com) for the most recently updated product specifications.

[www.nokia-asia.com/n78](http://www.nokia-asia.com/n78)