



# Nokia N70

## Technical Specifications

### Operating frequency

### Dimensions

### Display and User Interface

## Imaging and Video

## Nokia XpressPrint

### RealPlayer Media Player

## Memory Functions

## Messaging

## Visual Radio

### Connectivity

## Browsing

### Data Transfer

## Call Management

## Java Applications

### Other Applications

### Enhanced Voice Features

## Digital Services

### Sales Package Content

## Power Management

### Operating frequency

- Dual mode WCDMA/GSM and triband GSM coverage on up to five continents (GSM 900/1800/1900 and WCDMA 2100 networks)
- Automatic switching between bands and modes

### Dimensions

- Volume: 95.9 cc
- Weight: 126 g
- Length: 108.8 mm
- Width (max): 53mm
- Thickness (max): 24mm

## Display and User Interface

- Main color display: 176x208 pixels, up to 262,144 colors
- Automatic brightness control
- Five-way scroll key, two soft keys, application key, edit and clear keys, send and end keys, Multimedia key for instant access to your key application
- Active standby screen

## Imaging and Video

- 2 megapixel camera (1600 x 1200 pixels) with 20x digital zoom
- Second VGA camera (640 x 480 pixels ) with 2x digital zoom
- Dedicated shutter key and camera activation slide
- Two-way video call capability
- Real time video sharing
- Integrated flash (operating range up to 1.5m)
- Flash modes: on, off, automatic, and anti red-eye
- Advanced camera modes: still, sequence, video
- Six possible capture scene settings including scenery, portrait, night and sports
- Settings, brightness adjustment, image quality, self-timer, white balance settings and color tones
- Video and still image editors
- Movie Director for automated video production
- Image and video clip uploading to the web

## Nokia XpressPrint Printing Solution

- Print digital photos directly from the device
- Transfer photos directly to compatible printer or kiosk via Bluetooth wireless technology, MultiMediaCard (MMC) or directly to PictBridge-compliant printer via USB cable
- Integrated print application is quick and easy to use; no installation, no fuss
- [Find out more about XPressPrint](#)

## RealPlayer Media Player

- Download and play multimedia files (video and music)
- Stream media files from compatible media portals
- Full-screen video playback on the phone to view downloaded, streamed or recorded video clips in larger size
- Played formats (decoding): MP3, AAC, Real Audio, WAV, Nokia Ring Tones, AMR, AMR-WB, AMR-NB, AU, MIDI, H.263, JPEG, JPEG2000, EXIF 2.2, GIF 87/89, PNG, BMP (W-BMP), MBM, MPEG-4 and eAAC+



## Memory Functions

- Up to 22 MB of internal dynamic memory for images, contacts, text messages, multimedia messages, ringing tones, images, video clips, calendar notes, to-do list and applications
- Expandable memory: 64 MB Reduced Size Dual Voltage (1.8/3V) MultiMediaCard (MMC)\*
- Hot swap slot for easy MMC card insertion and removal

\*Please note that the memory capacity of the reduced size MultiMediaCard (RS-MMC) in the sales package may vary depending on the market and/or your network operator/service provider.

## Messaging

- Convenient email client
- Compatible with Nokia Wireless Keyboard (sold separately)
- Multimedia messaging: combine image, video, text, and audio clip and send as MMS to a compatible phone or PC
- Automatic resizing of your megapixel images to fit MMS (max. 300 KB attachment size depending on the network)
- Text messaging: supports concatenated SMS, picture messaging, SMS distribution list
- Predictive text input: support for all major languages in Europe and Asia-Pacific
- Instant Messaging

## Visual Radio

- 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 favourite songs
- Download the songs you buy direct to your phone
- [Find out more at about Visual Radio](#)

## Connectivity

- Integrated Bluetooth wireless technology v.2.0
- USB 2.0 full speed via Pop-Port™ interface
- Nokia PC Suite connectivity via USB and Bluetooth wireless technology
- Local synchronisation of contacts and calendar to a compatible PC using compatible connection
- Remote over-the-air synchronization
- Send and receive images, video clips, graphics, and business cards via Bluetooth wireless technology
- Profiles with Bluetooth connectivity: Basic Printing Profile (BPP) using Image Print or Info Print applications, Human Interface Device Profile (HID) using Nokia Wireless Keyboard application

## **Browsing**

- WAP 2.0 XHTML/HTML multimode browser
- Improved Web compatibility with support for HTML 4.01, including support for elements such as image maps, background images, and frames
- Support for a subset of JavaScript 1.5, which includes the most commonly used functions found on the Internet
- File upload over HTTP using standard HTML forms
- Small screen rendering option including a faster page-up/page-down scrolling style
- Full- screen mode, download progress bar, and adaptive history list
- 3GPP video streaming
- OMA DRM 1.0 - including forward lock for content protection, combined delivery, separate delivery and superdistribution

## **Data Transfer**

- WCDMA 2100 with simultaneous voice and packet data (PS max speed UL/DL= 128/384kbps, CS max speed 64kbps)
- EGPRS, class B, multislot class 10 (UL/DL = 118.4/236.8 kbps)\*
- GPRS, class B, multislot class 10
- Speech codecs: FR, EFR, WCDMA, and GSM AMR
- Transfer data from one Series 60 phone to another

\*Actual achieved speeds may vary depending on network support

## **Call Management**

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

## **Java Applications**

- Java™ MIDP 2.0, CLDC 1.1 (Connected Limited Device Configuration (J2ME))
- Over-the-air download of Java™-based applications and games

## **Other Applications**

- Personal Information Management (PIM)
- Advanced Series 60 PIM features including calendar, contacts, to-do list, and PIM printing

## **Enhanced Voice Features**

- Speaker Independent Name Dialling ( SIND)
- Voice commands
- Voice recorder
- Integrated handsfree speaker

## **Digital Services**

- Java™ and Symbian applications available from Nokia Software Market
- Graphics, icons, animations, logos
- Games: Possibility to download new games
- Ringing tones: True Tones, polyphonic tones
- Themes: Possibility to download new themes

## **Sales Package Contents**

- Nokia N70
- 64MB MultiMediaCard (MMC) MU-1\*
- Adapter for normal size MMC slots
- Nokia Stereo Headset HS-3
- Nokia Battery BL-5C
- Nokia Travel Charger AC-4
- Nokia Connectivity Cable (USB) CA-53
- CD-ROM containing software (PC Suite and Adobe package)
- User guide, Quick Start guide, and Add-on Application guide

\* Please note different MultiMediaCard (MMC) configurations may be available depending on country or operator configuration

## **Power Management**

- Battery: Lithium Ion Battery 970mAh BL-5c
- Talk Time: Up to 3.5 hrs\*
- Stand-by Time: Up to 11 days\*

\*Depends on the operator network configuration and radio access technology used.