



# Technical Specifications

# Nokia E70 Smartphone



*A powerful messaging tool with flexible connectivity options, the Nokia E70 keeps you in touch while you're on the go.*

**NOKIA**  
E70

## Technical Specifications

### General

- EGSM 900, GSM 1800, GSM 1900 and WCDMA (3GPP Release 99) networks in Europe, Africa, Asia-Pacific, North America, and South America where these networks are supported
- Automatic switching between bands
- Speech codecs: FR, EFR and AMR for GSM and AMR for WCDMA

### Size

- Weight: 127 g (with Nokia Battery BL-6C)
- Dimensions: 117 mm x 53 mm x 22 mm (closed), 102 cc
- Full messaging keyboard with fold open design

### Other Useful Phone Features

- Personal shortcuts
- Calendar
- Contact with images
- Customizable profiles
- Alarm clock
- Music Player (MP3/AAC)
- Media Player
- Notepad for short notes
- Auto lock for keyboard
- Calculator

### Memory Functions, Cover

- Up to 64 MB internal dynamic memory for contacts, text messages, multimedia messages, ringing tones, images, video clips, calendar notes, to-do list, and applications
- Expandable memory with miniSD card<sup>1</sup>
- Hot swap slot for easy miniSD card insertion and removal\*

\*Note: Memory card must be manually stopped before removed. Memory card can be stopped by pressing the power key and choosing remove memory card from the list

# Technical Specifications

## Display and User Interface

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### **Display**

- Active matrix display
- Supports up to 16 M colors within 352 x 416 pixels
- Up to 6 lines (Latin) in message viewing
- Two display modes: portrait when flip is closed, landscape when flip is open
- Zoom enables enlarged view of content in office applications and the browser

### **Navigation**

- Two soft keys with five-way scroll, power key can be used as profile key
- Configurable right and left soft keys
- Full keyboard with fold open design
- List and grid menu
- Active standby: provides fast access to applications with 5 items user configurable
- Symbian operating system OS 9.1
- Series 60, 3rd edition

## Messaging and imaging

### **Multimedia Messaging (MMS)**

- Multimedia Messaging Service (MMS, ver. 1.2) for text, voice clips, video clips and still images receiving, editing and sending
- Distribution list

### **Email and Messaging**

- Email client for connecting to personal and business email
- Supports POP3, IMAP4 and SMTP protocols
- Intellisync Wireless Email
- Supported 3rd party email clients: BlackBerry Connect, Seven Always-On Mail, Visto email technology<sup>6</sup>
- Email data roaming
  - Seamless changes between different connections ( e.g., WLAN, GPRS, 3G) without user configurations\*
  - Email data roaming requires no new network features, enabling wide utilization<sup>2</sup>
- Email client with attachment support (view jpeg, 3gp, MP3, .ppt, .doc, excel, and .pdf files) and periodic polling functionality
- Attachment editors (document, spreadsheet and presentation)<sup>3</sup>
- Instant Messaging IMPS 1.2

\* supported with POP3 and IMAP4 connections

### **Text messaging (SMS)**

- SMS distribution list
- Concatenated SMS: Send and receive up to 30 messages as a single message
- Message register

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# Technical Specifications

## Messaging and imaging

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### **Integrated camera and video**

- 2.0 Megapixel camera
- Resolution up to 1600 x 1200
- Self timer function
- Sequential shot functionality
- Phone display used as a viewfinder
- Standard, portrait, and night modes
- Possibility to select image resolution, compression level and capture mode: standard, portrait and night modes
- 8x digital zoom
- Recording formats (encoding): 3GPP, H.263 video, and AMR radio
- Video resolution: CIF (352 x 288), QCIF (176 x 144) or Sub QCIF (128 x 96 pixels)

## Connectivity and Data Transfer

### **Connectivity**

- Pop-Port™ interface
- USB 2.0 full speed supported via Pop-Port™
- Connect to a compatible PC wirelessly or with Nokia Connectivity Cable CA-53
- Integrated infrared module (IrCOMM, IrOBEX, IrTinyTP)
- Bluetooth wireless technology 1.2
- Install applications with Nokia PC Suite for the Nokia E70 phone
- Video and audio streaming (3GPP and RealMedia)
- JPEG/PNG support in browser
- WCDMA (3GPP Release 99)
- WAP 2.0
- Multiconnectivity
  - WLAN connection can be shared by multiple applications at the same time. For example: email, browser and synchronization.
  - Possible to use WLAN, Bluetooth technology, USB and infrared at the same time.
  - Max 6 Bluetooth technology connections in use at the same time.<sup>4</sup>

### **Data Transfer**

- WCDMA (3GPP Release 99)
- EGPRS (Class B, MSC 10)
- GPRS (General Packet Radio Service) Multislot Class 10
- Dual Transfer Mode (Multislot Class 9)
- WLAN (IEEE 802.11g, 802.11e, 802.11i)<sup>7</sup>
- Circuit-Switched Data
- Data/Modem Transmission
- Multitasking

# Technical Specifications

## Advanced Device management

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- Application Management enables the delivery and management of native Symbian and Java™ add-on applications over OMA DM
- Customization enables the delivery and management of terminal user interface elements over OMA DM.
- Terminal Management Security includes security model, which enables protecting device data via device wipe and device lock management, protecting service usage by ensuring that right settings are in place

## Call Management

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- Push to Talk
- Internet call over WLAN
- Voice dialing
- Speed dialing: Up to 8 names
- Automatic redial (max 10 attempts)
- Call waiting, call hold, call divert, call timer
- Automatic and manual network selection
- Caller identification with image  
The name of the calling party (spoken caller line identification) is mixed with the ringing tone. The functionality is enabled/disabled through profile settings.
- Fixed dialing number, allows calls only to predefined numbers
- Conference call capability (up to 6 participants)
- Vibrating alert
- Integrated handsfree speaker

## Enhanced Voice Features

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- Eyes-free name dialing and application launching by voice commands
- User configurable commands
- Improved phone usability with voice feedback and simple user interface
- Dedicated voice key for easy use of voice recording, voice dialing and Push to Talk
- Voice commands for menu short cuts, keypad lock and profiles
- Voice recording, record own notes or conversations
- Automatic volume control

## Java™ Applications

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- Converter: Converts currencies, measurements, temperature, etc.
- Downloadable games and personal applications via Java™ technology (MIDP 2.0)
- Over-the-air download of Java™-based applications and games

# Technical Specifications

## Power Management

Battery:	Capacity:	Talk time (estimated)	Standby time (estimated)
BL-6C	1150mAh	GSM 3.2 - 7.7 hours WCDMA 2.5 - 4.0 hours VoIP 3.0 - 3.2 hours*	GSM 10.5 - 14.5 days WCDMA 10.8 - 16 days GSM/WCDMA and WLAN 5.7 - 8.1 days*

Operation times may vary depending on radio access technology, network and usage.

\*In GSM/WCDMA network: WLAN network supporting 11-54 Mbs; 1-10 users

## Games

- Pro Tour Golf
- Java™ and Symbian games
- Possibility to download new Java™ games using Java™ technology (MIDP 2.0)

## Software

- PC Suite
- Additional software

<sup>1</sup> Note that the memory capacity of the miniSD card in the sales package may vary depending on the market and/or your network operator/service provider.

<sup>2</sup> Note that the automatic change may require reauthentication for the email account.

<sup>3</sup> Supports the most common features of Microsoft Word, PowerPoint and Excel (Microsoft Office 97, 2000, XP and 2003). Compatible with Zip Manager and Adobe Reader.

<sup>4</sup> Only one for Bluetooth wireless connectivity for audio.

<sup>5</sup> Variation in operating times may occur depending on SIM card, network and usage settings, usage style, and environments.

<sup>6</sup> The availability of the product, characteristics, features and supported solutions depends on your area, network operator and service providers, so please contact them and your Nokia dealer for further information.

<sup>7</sup> IEEE 802.11e: Wi-Fi Multimedia (WMM) and WMM power save certification pending. Implementation excludes WMM-SA. IEEE 802.11i: Certified for Wi-Fi Protected Access 2 (WPA2).

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