

Product Data Sheet (PDS)

Nokia C5-03 (RM-697/RM-719)

This document is intended for use by Contact Center agents.

Please send any feedback to: service.manuals@nokia.com



New! See description of each field by clicking the field name.

Version history

- 1.0 first approved version
- 2.0 first published version

Key selling points

- Keeps you connected by email, messaging and social networking
- Keeps you entertained with music, movies and apps
- Find your way with free world wide navigation, voice navigation keep your hands free while you navigate

Key technical features

- S60 rel. 5.0 full touch UI with Symbian OS v9.4
- 3.2" nHD touch screen display with 16 M colors
- Cellular radio: 3GPP GSM + (E)GPRS + WCDMA + HSDPA + HSUPA
- WLAN IEEE 802.11 b/g
- Bluetooth wireless technology 2.0 with EDR support
- A-GPS for location information and navigation
- 5 MPix camera for still images and video recording
- Micro-B USB connector for file transferring, synchronizing and phone updating
- 3.5 mm Nokia AV connector for headsets
- Charging through Nokia 2.0 mm charger connector or Micro-B USB connector
- Radio transceiver with RDS support

Basic Product Data

Physical properties

1) Form factor	Touch screen monoblock
2) Volume	65 cc
3) Weight (with battery)	93 g (incl. battery)
4) Length	105.8 mm
5) Width	51.0 mm
6) Thickness	13.8 mm

Platform

7) Main processor	ARM11 (450 MHz)
8) Imaging and Video Processor	Main processor ISP block
9) Operating System (OS)	Symbian OS v9.4
10) Software Platform	S60 rel. 5.0
11) UI style	S60 Full touch UI

Memory

12) Internal user memory size	Approx. 40 MB of internal dynamic memory available for user data
250) Internal mass memory	N/A
13) External memory (swap-type, supported size, voltage)	MicroSD card up to 16 GB supported (hot swappable)
14) Memory card management	File manager application

External interface summary

15) Wireless	- Cellular radio: 3GPP GSM + (E)GPRS + WCDMA + HSDPA + HSUPA - WLAN IEEE 802.11 b/g - Bluetooth wireless technology 2.0 with EDR
16) Wired	3.5 mm Nokia AV connector - USB 2.0 high-speed through Micro-B USB connector
17) Card	- SIM card slot - MicroSD card up to 16 GB supported (hot swappable)

Operating times

18) Talk time	- GSM up to 7 h - WCDMA up to 4.7 h
19) Standby time	- GSM up to 410 h - WCDMA up to 450 h
20) Music playback time	Up to 35 h
21) Video playback time	Up to 7.5 h (MPEG_4)

User interface

Display

244) Display technology	TFT LCD
22) Display resolution	640 x 360 pixels
243) Display size	3.2" nHD (16:9 widescreen optimized for media)
245) Supported colors	Up to 16 M colors
23) Touch screen	Yes
24) Touch screen technology	Resistive
248) More than one finger touch support	No
25) Touch screen feedback	Tone and vibra
26) Automatic lighting adjustment	No
27) Active standby (Home screen)	Yes, user customizable Home screen
28) Power saver	Yes
29) Themes	Yes

Keyboard

30) QWERTY keyboard	Yes (on-screen)
31) Key lock (automatic key guard, security key guard)	Yes, automatic keylock (activated by timer) De-activated through physical keylock key or the application key and selecting "unlock"
32) Automatic lighting adjustment	No

Indicators

252) Notification light	Yes
33) GPS notification light	No
34) Charging indicator	No
35) Vibra	Yes

Sensors	36) Ambient light sensor	No
	37) Proximity sensor	Yes
	38) Accelerometer	Yes
	39) Compass	Yes
Security	40) PIN codes	PIN1 code request (On/Off), PIN2
	41) Call restrictions	Call barring service, Fixed dialing, Closed user groups
	42) Security codes	Lock code, PUK1, PUK2, remote lock, SIM lock
Modes	43) Offline/demo mode (with/without SIM)	Offline mode (with and without SIM)
Voice commands	44) Speaker Independent Name Dialing	Yes
	45) Advanced Voice Commands	Yes
Shortcuts	46) Action shortcuts (keyboard shortcuts)	N/A
	47) Shortcuts in menus	Yes
	48) General navigation shortcuts	Yes

Cellular connectivity

Cellular radio	49) Operating bands	- GSM/EDGE 850/900/1800/1900 MHz and WCDMA 900/1900/2100 MHz (VIII, II, I) (RM-697) - GSM 850/900/1800/1900 MHz and WDCMA 850/1900/2100 MHz (V, II, I) (RM-719)
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2G/GPRS

50) GPRS class / max speed	Class B GPRS data class MSC 32 (PS) Max speed DL = 107 kbps Max speed UL = 64.2 kbps Max slots 5 Rx / 4 Tx, max. sum 6
51) EGRPS class / max speed	Class B EGPRS data class MSC 32 (PS) Max speed DL = 296 kbps Max speed UL= 177.6 kbps Max slots 5 Rx / 4 Tx, max. sum 6
52) DTM / max speed	Class A DTM data class MSC 32 (PS+CS) Max speed DL = 296 kbps Max speed UL= 177.6 kbps Max slots 5 Rx / 3 Tx, max. sum 6

Circuit-switched Data (CSD)

53) CSD / max speed	Not supported
54) HSCSD / max speed	Not supported

3G

55) WCDMA / max speed	Yes, 384 kbps
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3.5G

56) HSPA / max speed	HSDPA Cat9, 10.2 Mbps / HSUPA Cat5, 2.0 Mbps
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Modem

57) PC modem	Yes
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Non-cellular connectivity

Bluetooth	58) Bluetooth version	2.0 with EDR support
	59) Supported Bluetooth 2.1 profiles	N/A
	245) Supported Bluetooth 3.0 protocols	N/A
WLAN	60) WLAN type	WLAN IEEE 802.11 b/g
	246) Supported WLAN security standards	WEP 64 bit / WEP 128 bit WPA2 WAPI (in China version)
	61) Max speed	54 Mbps
	62) UPnP	Yes
	63) WLAN setup wizard	Yes
GPS	64) GPS	Yes
	65) A-GPS	Yes
	66) Maps application	Nokia Maps 3.04 SR4 (SR6 update later)
USB	67) USB version / speed	2.0 High Speed, 480 Mbps
	68) USB modes	PC Suite Mass storage Image transfer Media transfer
	69) USB On-The-Go (OTG)	No
Infrared	70) IrDA / speed	No
	71) Consumer IR	N/A
PC connectivity software	72) Ovi Suite version	2.2.0.245

Messaging

SMS	73) SMS supported	Yes
	74) Max number of characters (note: operator dependent)	160 in one SMS message

75) Concatenation support	Sending and receiving, max 10 messages (longer messages are sent as multimedia messages)
76) Display of remaining characters	Yes
77) Send to many/groups	Yes
78) Flash messages (max number of characters 70)	No
79) E-mail via SMS	No
80) FAX over SMS	Yes
81) Paging over SMS	Yes

MMS

82) MMS supported	Yes
83) MMS version	OMA Multimedia Messaging Service v1.3
84) Max message size (note: operator dependent)	600 kB
85) Display of remaining characters	No
86) Send to many/Groups	Yes
87) Picture messages (send/receive)	Yes (send and receive)
88) Audio messages (send/receive)	Yes (send and receive)

Email

89) E-mail supported	Yes
90) E-mail client	Email client is integrated in Nokia messaging
91) Supported protocols	SMTP IMAP4 POP3 Mail for Exchange
92) Push e-mail	No
93) Polling e-mail	Yes
94) Attachment support (send/receive)	Yes (send and receive)
95) Text to speech	Yes
96) Email setup wizard	Yes

IM / chat

247) IM/chat supported	Yes
98) Supported IM / chat communities	• OVI Chat • Yahoo! Messenger • AIM • Windows Live Messenger • Gtalk • MySpaceIM • ICQ

Internet experiences

Web browser

99) Web browser application	Browser NG 7.2.6 with FlashLite 3.1 support
100) Supported HTML version	HTML/XHTML
101) WML support	Yes
102) JavaScript support	Yes, Java TM MIDP 2.0

RSS reader

227) Application	RSS available via Widgets
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Search

103) Search local files	Yes
104) Internet search	Yes

Ovi Store

228) Application	Yes, OVI Store 1.7
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Personal Information Management (PIM)

Calendar	229) Application	Calendar
Contacts	230) Application	Contacts
	105) Saving to memory card, number of contacts	No
Office application compatibility	106) Word compatibility	Yes, viewing (for editing and creating files you have to purchase application license)
	107) Excel compatibility	Yes, viewing (for editing and creating files you have to purchase application license)
	108) PowerPoint compatibility	Yes, viewing (for editing and creating files you have to purchase application license)
Other applications	109) Notes	Yes
	110) Calculator	Yes
	111) File Manager	Yes
	112) Converter	Yes
	113) Barcode reader	No
Printing support	114) Image printing	Yes, via USB
Alarm clock	115) Alarms	User-definable recurring alarm and snooze time
	116) Custom alarm tone	User-definable alarm tone
	117) Talking alarm clock	No
	118) Snooze by turning device	Yes
Synchronization	119) SyncML device-PC	No
	120) Device to device sync (application name, SIMless sync)	Yes, Switch
	121) Ovi Sync	Yes, 2.0
	122) Mail for Exchange (MfE), version	Yes, integrated in Nokia messaging

Voice /Video Communication

Conference call	231) Supported	Yes
	123) Number of participants	Max. 5 calls (1+5 participants)
Video call (circuit-switched)	232) Supported	No
Voice calls (circuit switched)	124) Soft reject	Yes
Push to Talk over Cellular (PoC)	233) Supported	Optional (Configurable in the factory)
Video sharing	234) Supported	No
Unlicensed Mobile Access (UMA)	235) Supported	No
Voice over IP (VoIP)	236) Supported	Yes
	125) VoIP protocols	No
	126) NAT traversal types	N/A
	127) VoIP connectivity	N/A
	128) Send file during call	N/A
	129) Soft reject	N/A

Maintenance

130) FOTA (push or pull)	Yes, pull
131) Ovi Suite / Nokia Software Updater	Yes
132) Device management	OMA Client Provisioning (version 1.1) OMA Device Management (version 1.2)

Multimedia

Music player

133) Music Player (stereo/mono)	Stereo
134) Stereo speakers	No
135) Nokia AV connector	Yes (3.5 mm)

Voice Recorder

136) Format, max length	Yes, 60 min, quality levels High/Standard/MMS
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Main camera

137) Sensor	5 megapixel CMOS (Capone SMIA65)
138) Resolution	2592 x 1944 pixels
139) Camera lens cover	No
140) Lens, focal length, max aperture	f/2.4
141) Autofocus	No
142) Focus range	30 cm – infinity
143) Auto exposure metering	Center-weighted automatic exposure (AE)
144) Exposure compensation	-2 ... +2 EV (0.5 EV steps)
145) Shutter speed	1/10 000 s to 1/5 s
146) Scene modes	Automatic, Sports, Portrait, Landscape, Night, User defined
147) Face Detection	No
148) Zoom	Up to 4 x (digital)
149) Self-timer	Yes (2, 10, or 20 seconds)
150) Quality levels	5 M, 3 M, 2 M, 0.8 M, 0.3 M
151) Flash	No
152) Flash modes	No
254) Flashlight	No
153) Adjust	White balance, Color tone, Exposure, Light sensitivity, Contrast, Sharpness
154) Color tone	Normal, Sepia, Black & White, Vivid, Negative
155) Light sensitivity	High, Medium, Low, Automatic
156) GPS position of image	Yes

Secondary camera

137) Sensor	N/A
138) Resolution (still)	N/A
141) Autofocus	N/A
146) Scene modes	N/A
148) Zoom	N/A
149) Self-timer	N/A
150) Quality levels	N/A
151) Flash	N/A
153) Adjust	N/A

Video Recorder
(main camera)

157) Resolution (video)	Widescreen quality: 640 x 352 pixels, 15 fps Email quality: 320 x 240 pixels, 15 fps Sharing quality: 176 x 144 pixels, 15 fps
158) Scene modes	Automatic, Low light, Night
159) Zoom	Up to 2 x (digital)
160) Quality levels	TV high quality, Widescreen high quality, Email high quality, Email normal quality, Sharing quality
161) Recording light	No
162) Privacy indicator	Yes (sound at recording start)
163) White balance	Automatic, Sunny, Cloudy, Fluorescent, Incandescent
164) Color tone	Normal, sepia, Black & White, Vivid, Negative
165) Autofocus	No
166) Video stabilization	No
167) Clip length	Max 90 min (normal or high quality), also limited by available memory or limited to MMS size (600 MB)
168) GPS position of image	Yes

Video Recorder (secondary camera)	157) Resolution (video)	N/A
	158) Scene modes	N/A
	159) Zoom	N/A
	160) Quality levels	N/A
	161) Recording light	N/A
	162) Privacy indicator	N/A
	97) Adjust (white balance etc.)	N/A
	165) Autofocus	N/A
	166) Video	N/A
	167) Clip length	N/A
Video player	169) Real Player / Streaming	Yes
	170) HDMI output	No
Multimedia editing	171) Video editor	No
	172) Image editor	Yes
	173) Image Viewer	Yes
DRM	174) Supported DRM types	OMA DRM Forward Lock OMA DRM v1.0 OMA DRM v2.0 Windows Media DRM 10
FM radio	176) FM radio receiver	Yes
	177) Stereo/mono	Stereo
	178) RDS support	Yes
	179) Visual Radio	No
	180) FM transmitter	No
TV-out	249) Composite video out	No
	170) HDMI output	No

Multimedia formats

Image

181) Creating	182) Handling	183) Editing
JPEG	JPEG, JPEG2000	JPEG
EXIF	WMF	EXIF
	EXIF	
	PNG	
	GIF87a, GIF89a	
	BMP	
	WBMP	
	TIFF/F	
	MBM	
	OTA	

Video

237) Creating	238) Handling	239) Editing
MPEG-4	H.263 Profile 0 Level 10	
H.263 Profile 0 Level 10	MPEG-4, Advanced simple profile level 6	
	RealVideo 7/8	

Sound

240) Creating	241) Handling	242) Editing	184) Ringing tone
AAC	MP3		MP3
AMR-NB	AAC/eAAC/eAAC+		AAC/eAAC/AAC+
AMR-WB (True es)	AMR-NB		AMR-NB
	AMR-WB		AMR-WB (True es)
	WMA		WMA
	WAV		WAV
	AU		MIDI
	WVE		SP-MIDI
	Real Audio 7/8		
	Real Audio Voice		
	MIDI		

185) Max bitrate per channel	AAC	MP3
	144 kbps	320 kbps

Multimedia message formats

186) Receiving	187) Sending
OMA Multimedia Messaging Service v1.3	OMA Multimedia Messaging Service v1.3

Total Product Offering (TPO)

188) Total Product Offering (TPO) item name	189) Total Product Offering (TPO) item description
Facebook	Social networking
MySpace	Social networking
Twitter	Social networking
Friendster	Social networking
Hi5	Social networking
Orkut	Social networking
YouTube	Social networking + video
Quick Office Reader	Light business
Acrobat reader tool	Light business
F-Secure	Other
Climate Mission	Games
Facebook	Social networking

Accessories

Car solutions

190) Universal Mobile Holder	CR-114, CR-115
191) Mobile Charger	DC-4, DC-6, DC-9, DC-10
192) Wireless Plug-in Car Handsfree	HF-310, HF-510
193) Advanced Car Kit	CK-7W
195) Display Car Kit	CK-15W, CK-100, CK-200, CK-300, CK-600

Memory cards

196) 1 GB MicroSD Card	MU-22
197) 2 GB MicroSD Card	MU-37
198) 4 GB MicroSD Card	MU-41
199) 8 GB MicroSD Card	MU-43
200) 16 GB MicroSD Card	MU-44

Cables

202) Connectivity Cable	CA-100, CA-100C, CA-101, CA-101D, CA-126, CA-179
203) Video Connectivity Cable	No

Positioning
Peripherals

204) Wireless GPS Module	Yes
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Audio

206) Bluetooth Headset	BH-104, BH-105, BH-106, BH-108, BH-109, BH-200, BH-201, BH-208, BH-212, BH-213, BH-214, BH-216, BH-217, BH-606, BH-607, BH-608, BH-609, BH-804, BH-900, BH-904
207) Bluetooth Stereo Headset	BH-103, BH-214, BH-504, BH-505, BH-604, BH-610, BH-905
208) Stereo Headset	HS-47, WH-101, WH-102, WH-103, WH-201, WH-205, WH-500, WH-600, WH-601, WH-700, WH-701, WH-800
209) Bluetooth Speakers	MD-7W

Chargers and Power

210) Nokia Battery	BL-4U (1000 mAh)
211) USB Charger	AC-6, AC-10
212) Charger Adapter	CA-44, CA-146
213) Power Pack	DC-11 (1500 mAh Backup Power Pack)

Sales package contents

214) Transceiver	RM-697 (RoW & China) or RM-719 (LTA)
215) Battery	Nokia Battery BL-4U (1000 mAh)
216) Charger	AC-8 or AC-15
217) Wired headset	WH-102
218) Data cable with USB	CA-101D
220) HDMI adapter	N/A
219) Memory Card	2 GB MicroSD card (MU-37)
222) Nokia Capacitive Stylus	N/A
223) User Guide	Yes
225) Cleaning Cloth	No

Additional information

Environmental issues	For information on environmental issues in Nokia phones see http://www.nokia.com/environment
Specific Absorption Ratio (SAR) information	For information on SAR values of phones see http://sar.nokia.com/sar/index.jsp
Nokia ECO declaration	For full eco declaration see http://www.nokia.com/environment/we-create/devices-and-accessories/eco-profile
Declaration of conformity	For declaration of conformity with Directive 1999/5/EC of the European parliament and of the Council see http://europe.nokia.com/find-products/devices/declaration-of-conformity

Field descriptions

Field	Field description	Example values
1) Form factor	Field description	Possible value
2) Volume	The volume of the device in cubic centimeters (cc)	xx cc
3) Weight (with battery)	The weight of the device in grams (g), with the battery inserted.	xx g
4) Length	The longest dimension of the device in millimeters (mm).	xx mm
5) Width	The second longest dimension of the device in millimeters (mm).	xx mm
6) Thickness	The third longest dimension of the device in millimeters (mm).	xx mm
7) Main processor	The type of main computer unit (MCU).	ARM9, ARM11
8) Imaging and Video Processor	The type of imaging or video accelerator processor.	
9) Operating System (OS)	The operating system software type and version	Symbian OS 9.2, Symbian^3, Maemo5
10) Software Platform	The software platform of the device, if the operating system supports multiple software platforms.	S60 3.2, S60 5.0
11) UI style	The UI style name, if the software platform supports multiple UI styles	
12) Internal user memory size	Amount of device internal memory available for the user in megabytes (MB). Not including memory card or embedded mass memory.	256 MB
13) External memory (swap-type, supported size, voltage)	Supported external memory card type, maximum size, card voltage	MicroSD 16 GB
14) Memory card management	Which software application can be used to manage inserted memory cards, for example format the card.	

Field	Field description	Example values
15) Wireless	List of wireless interfaces supported in the device	GSM/GPRS/HSPA, WLAN
16) Wired	List of physical wired interfaces supported in the device	2.0 mm Nokia charger connector, 3.5 mm Nokia AV connector, USB 2.0
17) Card	List of card interfaces supported in the device	MicroSD, SIM
18) Talk time	Maximum talk time in hours (h), system (GSM/3G) (measurement standard such as ECTEL).	Up to 12h GSM (ECTEL)
19) Standby time	Maximum standby time in hours (h), system (GSM/3G) (measurement standard such as ECTEL).	Up to 300h GSM (ECTEL)
20) Music playback time	Maximum operating time when playing back music in hours (h), conditions.	Up to 6 h (MP3)
21) Video playback time	Maximum operating time when playing back video in hours (h), conditions.	Up to 6 h (.3gp, QCIF)
22) Display resolution	Pixel resolution of the main display.	320 x 240 pixels
23) Touch screen	Does the device have a touch screen?	Yes/No
24) Touch screen technology	Touch screen technology.	Resistive, Capacitive
25) Touch screen feedback	Does the device tactile/haptic feedback to user when touching the screen?	Yes/No
26) Automatic lighting adjustment	Does the device support automatic adjustment of screen brightness based on ambient light level?	Yes/No
27) Active standby (Home screen)	Does the device have a Home Screen (also known as Active Standby screen) which displays information while the device is in standby?	Yes/No
28) Power saver	Does the device automatically reduce power when not in use (for example by dimming the display and turning off other lighting)?	Yes/No

Field	Field description	Example values
29) Themes	Can the user select a theme which changes the overall look and feel of the software user interface?	Yes/No
30) QWERTY keyboard	Does the device have a physical keyboard with QWERTY layout?	Yes/No
31) Key lock (automatic key guard, security key guard)	Can the device lock the keys automatically after a timeout (automatic key guard)?	Yes/No
32) Automatic lighting adjustment	Does the device adjust keyboard lighting brightness automatically based on ambient light level?	Yes/No
33) GPS notification light	Does the device have a dedicated indicator light (LED) for GPS status? This is typically found in Navigator devices.	Yes/No
34) Charging indicator	Does the device have a dedicated indicator light (LED) for charging status?	Yes/No
35) Vibra	Does the device have a vibra for silent vibrating alarms?	Yes/No
36) Ambient light sensor	Does the device have an Ambient Light Sensor (ALS)?	Yes/No
37) Proximity sensor	Does the device have a proximity sensor? This sensor is normally used to lock a touch screen when the device is held against the user's head.	Yes/No
38) Accelerometer	Does the device have an accelerometer? This sensor is normally used to rotate the screen.	Yes/No
39) Compass	Does the device have a magnetometer? This sensor senses the Earth's magnetic field and is normally used to implement an electronic compass.	Yes/No
40) PIN codes	Does the device support requesting the PIN code? Does the device support changing PIN1 and PIN2 codes? Does the device support security levels (non-owner SIM card)?	PIN code request (On/Off), Change Access codes (PIN1 and PIN2), Security level (non-owner SIM inserted).

Field	Field description	Example values
41) Call restrictions	Does the device support network services which restrict what numbers the user can call?	Call barring service, Fixed Dialing, Closed User Groups
42) Security codes	Does the device ask for security code when changing device security settings?	Yes/No
43) Offline/demo mode (with/without SIM)	Does the device include a demo mode? Does the demo mode require that a SIM card is inserted?	Yes/No (with SIM/without SIM)
44) Speaker Independent Name Dialing (SIND)	Does the device support dialing a contact by saying the contact's name (voice recognition dialing)?	Yes/No
45) Advanced Voice Commands	Does the device allow the user to perform additional actions using customizable voice commands?	Yes/No
46) Action shortcuts (keyboard shortcuts)	Does the device support quick access to device functions by pressing device hardware keys?	Yes, right and left selection keys, 4-way scroll key and shortcut for switching SIM card
47) Shortcuts in menus	Do the device software menus include shortcuts to device functions?	Yes, Go-to menu
48) General navigation shortcuts	Does the device support shortcuts which can be activated anywhere in the user interface/menu structure?	Yes/No
49) Operating bands	Supported frequency bands for the cellular radio. Specify system (GSM, WCDMA, TD-SCDMA and supported frequency bands in MHz).	WCDMA HSPA 850/900/1700/1900/2100 MHz EGSM 850/900/1800/1900 MHz
50) GPRS class / max speed	GPRS class Data class Max speed sending/uplink (UL) Max speed receiving/downlink (DL) Receive (rx) and transmit (tx) slot restrictions	Class B GPRS data class 33 Max speed DL=107 kbps UL= 85.6 kbps Max slots 5 Rx / 4 Tx slots, max. sum 6 slots

Field	Field description	Example values
51) EGRPS class / max speed	EDGE GPRS class Data class Max speed sending/uplink (UL) Max speed receiving/downlink (DL) Receive (rx) and transmit (tx) slot restrictions	Class B EGPRS data class 33 Max speed DL= 296 UL=236.8 kbps Max slots 5 Rx / 4 Tx slots, max. sum 6 slots
52) DTM / max speed	Dual Transfer Mode (DTM) supported (simultaneous CS and PS connections in 2G)? Maximum data rates when using DTM.	Yes/No
53) CSD / max speed	Circuit Switched Data (CSD) supported? Max speed (kbps, symmetric)	Yes/No
54) HSCSD / max speed	High-Speed CSD supported (multi-slot CSD)? Max speed (kbps, symmetric)	Yes/No
55) WCDMA / max speed	WCDMA (rel 99, non-HSPA) supported? Max packet-switched data speed (kbps)	Yes/No
56) HSPA / max speed	High-speed Packet Access (HSPA) supported (HSPA=HSDPA or HSDPA+HSUPA)? High-speed Downlink Packet Access (HSDPA), max speed (Mbps) High-speed Uplink Packet Access (HSUPA), max speed (Mbps)	Yes/No HSDPA Cat9, 10.2 Mbps HSUPA Cat5, 2.0 Mbps
57) PC modem	Can device be used as a PC modem?	Yes/No
58) Bluetooth version	Which Bluetooth versions are supported?	2.1 + EDR and 3.0
59) Supported Bluetooth 2.1 profiles	Which Bluetooth 2.1 profiles versions are supported?	Dial-up Networking Profile Object Push Profile File Transfer Profile Hands Free Profile Generic Object Exchange Profile Generic Access Profile Serial Port Profile
60) WLAN types	Which WLAN/Wi-Fi types are supported?	802.11b/g
61) Max speed	Max supported WLAN speed?	54 Mbps

Field	Field description	Example values
62) UPnP	Does the device support Universal Plug and Play (UPnP) features over WLAN?	Yes/No
63) WLAN setup wizard	Does the device support guided set-up of WLAN connections?	Yes/No
64) GPS	Does the device have a built-in GPS receiver?	Yes/No
65) A-GPS	Does the device support retrieving GPS assistance data from Open Mobile Alliance (OMA) Secure User Plane Positioning (SUPL) servers in the Internet?	Yes/No
66) Maps application	Which version of the Nokia Maps application is pre-installed on the device?	Maps 3.04
67) USB version / speed	Which version of USB is supported? Maximum transfer speed (Mbps)?	2.0 High Speed, 480 Mbps
68) USB modes	Which USB modes are supported?	Ovi Suite Mass storage Media transfer Connect PC to net (modem)
69) USB On-The-Go (OTG)	Does the device support USB connections without a PC host (USB OTG)? What functionality is supported?	Yes (v1.3). Supports flash memory sticks only.
70) IrDA / speed	Does the device support IrDA infrared connectivity? Maximum transfer speed?	Yes/No
71) Consumer IR	Does the device support consumer infrared transmitter (remote control transmitter)?	Yes/No
72) Ovi Suite version	Which Ovi Suite version supports this device?	2.2
73) SMS supported	Does the device support GSM Short Message Service (SMS)?	Yes/No
74) Max number of characters (note: operator dependent)	What is the max number of characters the user can use in one SMS message?	160 in one SMS message

Field	Field description	Example values
75) Concatenation support	Does the device support sending/receiving larger messages in multiple SMS messages (SMS concatenation feature)?	Sending and receiving, max 10 messages
76) Display of remaining characters	When writing an SMS, does the UI show the remaining characters in a message?	Yes/No
77) Send to many/groups	Can the user send SMS messages to many recipients or to a group?	Yes/No
78) Flash messages (max number of characters 70)	Does the device support SMS flash messages (special type of SMS in GSM specifications, message class 0)?	Yes/No
79) E-mail via SMS	Does the device support sending e-mail content in SMS messages?	Yes/No
80) FAX over SMS	Does the device support sending facsimile content in SMS messages?	Yes/No
81) Paging over SMS	Does the device support sending paging content in SMS messages?	Yes/No
82) MMS supported	Does the device support Multimedia Messaging Service (MMS)?	Yes/No
83) MMS version	Which MMS version is supported?	OMA Multimedia Messaging Service v1.3
84) Max message size (note: operator dependent)	What is the maximum MMS message size supported?	600 kB
85) Display of remaining characters	When writing a MMS message, does the UI show the remaining characters in a message?	Yes/No
86) Send to many/Groups	Can the user send MMS messages to many recipients or to a group?	Yes/No
87) Picture messages (send/receive)	Can the user send/receive MMS messages with picture content?	Yes/No
88) Audio messages (send/receive)	Can the user send/receive MMS messages with audio content?	Yes/No
89) E-mail supported	Does the device support e-mail access?	Yes/No

Field	Field description	Example values
90) E-mail client	Which e-mail client is preinstalled on the device?	Mail
91) Supported protocols	Which e-mail protocols does the built-in e-mail client support?	SMTP IMAP4 POP3 Mail for Exchange IBM Lotus traveler
92) Push e-mail	Does the built-in e-mail client support immediate notification (push) of incoming e-mail messages?	Yes/No
93) Polling e-mail	Can the built-in e-mail client periodically poll the e-mail server for new e-mails?	Yes/No
94) Attachment support (send/receive)	Does the device support sending and receiving e-mail attachments?	Yes (send and receive)
95) Text to speech	Can the device read e-mail messages aloud (speech synthesizer)?	Yes/No
96) Email setup wizard	Does the device support guided set-up of e-mail mailbox access?	Yes/No
97) Adjust (white balance etc.)	What image adjustments (such as white balance) are available when recording video with the secondary camera?	Automatic white balance
98) Supported IM / chat communities	Which IM/chat communities can the user access using the SW on the device?	OVI Chat Yahoo! Messenger AIM Windows Live Messenger Gtalk MySpaceIM ICQ
99) Web browser application	Which web browser(s) are pre-installed on the device?	S60 browser
100) Supported HTML version	Which HTML standard versions are supported by the device web browser?	HTML4.0 XHTML1.0
101) WML support	Does the device browser support Wireless Mark-up Language (WML) pages?	Yes/No
102) JavaScript support	Does the device support JavaScript on web pages?	Yes/No

Field	Field description	Example values
103) Search local files	Does the device search function allow the user to search for files on the device?	Yes/No
104) Internet search	Does the device search function allow the user to search for content on the Internet?	Yes/No
105) Saving to memory card, number of contacts	Can the user save contacts to the memory card? How many?	Yes/No
106) Word compatibility	Can the user work with Microsoft Word files? Viewing, editing, creating supported?	Yes (view, edit, create)
107) Excel compatibility	Can the user work with Microsoft Excel files? Viewing, editing, creating supported?	Yes (view, edit, create)
108) PowerPoint compatibility	Can the user work with Microsoft PowerPoint files? Viewing, editing, creating supported?	Yes (view, edit, create)
109) Notes	Does the device have a note-taking (notes) application?	Yes/No
110) Calculator	Does the device have a calculator application?	Yes/No
111) File Manager	Does the device have a file manager application?	Yes/No
112) Converter	Does the device have a unit converter application?	Yes/No
113) Barcode reader	Does the device have a barcode reader application?	Yes/No
114) Image printing	Does the device support direct connection to PictBridge printers?	Yes, PictBridge
115) Alarms	What alarm features are supported in the device alarm clock?	User-definable recurring alarm and snooze time
116) Custom alarm tone	Can the user set a custom alarm tone?	Yes/No
117) Talking alarm clock	Does the device support talking alarm clock (speech synthesizer)?	Yes/No

Field	Field description	Example values
118) Snooze by turning device	Can the user snooze an alarm by turning the device?	Yes/No
119) SyncML device-PC	Does the device support synchronization with a PC using SyncML? Which version?	OBEX over USB (SyncML OBEX Binding v1.1.1)
120) Device to device sync (application name, SIMless sync)	Does the device support synchronization with another device?	Yes/No
121) Ovi Sync	Does the device support synchronization to Ovi with Ovi Sync?	Yes/No
122) Mail for Exchange (MfE), version	Does the device support Mail for Exchange? Which version?	Yes/No, MfE3.0 supported by built-in e-mail client
123) Number of participants	How many participants are supported in a conference call?	4+1
124) Soft reject	Can the user reject an incoming call by sending a text message to the caller?	Yes/No
125) VoIP protocols	Which Voice over IP (VoIP) protocols are supported?	SIP
126) NAT traversal types	Which methods of Network Address Translation (NAT) traversal are supported for VoIP?	STUN, TURN
127) VoIP connectivity	Over which connections is VoIP supported?	WLAN, 3G
128) Send file during call	Can the user send a file to the other party during a VoIP call?	Yes/No
129) Soft reject	Can the user reject an incoming call by sending an IM message to the calling party?	Yes/No
130) FOTA (push or pull)	Does the device support updating device software over the network / Firmware over the Air (FOTA)?	Yes/No
131) Ovi Suite / Nokia Software Updater	Can the device software be updated using Ovi Suite / Nokia Software Updater PC software?	Yes/No

Field	Field description	Example values
132) Device management	Does the device support remote management of the device through network messages? Which standard?	OMA Client Provisioning (version 1.1) OMA Device Management (version 1.2)
133) Music Player (stereo/mono)	Does the device have a music player? Does the player support stereo or mono playback?	Stereo
134) Stereo speakers	Does the device support stereo audio playback through built-in stereo speakers?	Yes/No
135) Nokia AV connector	Does the device have a Nokia A/V connector? Which type (3.5 mm or 2.5 mm)?	3.5 mm
136) Format, max length	Which format can be used for voice recording? What is the maximum length of a recording?	.wav, 60 minutes
137) Sensor	Which sensor does the main camera have? Technology, pixel count?	CMOS, 12 megapixels
138) Resolution	What is the maximum pixel resolution of a captured image?	4000 x 3000 pixels
139) Camera lens cover	Does the camera have a lens cover?	Yes/No
140) Lens, focal length, max aperture	What kind of lens does the main camera have? What is the focal length? What is the maximum aperture (f-number)?	Carl Zeiss Tessar™ 5.9 mm (35 mm equivalent focal length 28 mm) f/2.8
141) Autofocus	Does the main camera have auto-focus?	Yes/No
142) Focus range	What is the range over which the main camera can maintain focus?	0 cm – infinity Macro: 10-50cm
143) Auto exposure metering	What methods are available for main camera exposure metering?	Center-weighted automatic exposure (AE)
144) Exposure compensation	How much can the user adjust the automatic exposure of the main camera (in EV)?	-2 ... +2 EV (0.5 EV steps)

Field	Field description	Example values
145) Shutter speed	What is the shutter speed (exposure time) range for the main camera?	1/1000s to 2s
146) Scene modes	What scene modes are supported for the main camera?	Automatic, Sports, Portrait, Close-up, Landscape, Night, Night portrait, User defined
147) Face Detection	Does the main camera support automatic detection of human face in the camera view?	Yes/No
148) Zoom	Main camera maximum zoom level? Optical or digital zoom?	Up to 2 x (digital)
149) Self-timer	Self-timer for main camera? What delays are selectable?	Yes (2, 10, or 20 seconds)
150) Quality levels	What quality levels are selectable for the main camera?	12 M, 9 M (16:9), 3 M, 1.3 M, 0.3 M
151) Flash	Does the main camera have a flash? What type (LED, Xenon?)	Yes, Dual LED
152) Flash modes	What flash modes can the user select?	Automatic, Reduce red, On, Off
153) Adjust	What image adjustments are available for the main camera?	White balance, Color tone, Exposure, Light sensitivity, Contrast, Sharpness
154) Color tone	What color tone modes are available for main camera still imaging?	Normal, Sepia, Black & White, Vivid, Negative
155) Light sensitivity	What sensitivity (ISO number) settings are available for the main camera?	High, Medium, Low, Automatic
156) GPS position of image	Does the device support adding GPS location information to image files?	Yes/No
157) Resolution (video)	What is the main camera maximum video recording resolution?	HD quality 720p 1280 x 720 25fps.
158) Scene modes	What scene modes are available for main camera video recording?	Automatic, Low light, Night
159) Zoom	Can the user zoom while recording video with the main camera?	Digital zoom up to 3x

Field	Field description	Example values
160) Quality levels	What quality levels are available for video recording with the main camera?	High definition, TV high quality, Sharing quality
161) Recording light	Can the camera flash be used as a video recording light?	Yes/No
162) Privacy indicator	Does the device show a red privacy indicator light towards the subject when recording video?	Yes/No
163) White balance	What white balance settings are available for the main camera?	Automatic, Sunny, Cloudy, Fluorescent, Incandescent
164) Color tone	What color tone modes are available for main camera video recording?	Normal, sepia, Black & White, Vivid, Negative
165) Autofocus	Does the device support auto-focus during main camera video recording?	Yes/No
166) Video stabilization	Does the device support image stabilization of the main camera video recording?	Yes/No
167) Clip length	What is the maximum length of a video clip captured with the main camera? At which quality level?	Max 90 min (normal or high quality) Also limited by available memory
168) GPS position of image	Can the device add GPS position information to recorded video clips?	Yes/No
169) Real Player / Streaming	Can the device play streaming video from the Internet?	Yes/No
170) HDMI output	Does the device support High Definition Multimedia Interface (HDMI) output? Which quality level? Audio through HDMI supported?	Yes (720p, 30 fps with Dolby Digital 5.1 sound)
171) Video editor	Does the device include SW for editing videos?	Yes/No
172) Image editor	Does the device include SW for editing images?	Yes/No
173) Image Viewer	Does the device include SW for viewing images?	Yes/No

Field	Field description	Example values
174) Supported DRM types	Which Digital Rights Management (DRM) systems does the device support?	OMA DRM Forward Lock OMA DRM v1.0 OMA DRM v2.0 Windows Media DRM 10
176) FM radio receiver	Does the device have an FM radio receiver?	Yes/No
177) Stereo/mono	Does the FM radio receiver support stereo or mono reception?	Stereo
178) RDS support	Does the FM radio receiver support Radio Data System (RDS) content?	Yes/No
179) Visual Radio	Does the device support Visual Radio (FM radio with on-line content, a Nokia service)	Yes/No
180) FM transmitter	Does the device have an FM radio transmitter?	Yes/No
181) Creating	What image formats can be created on the device?	
182) Handling	What image formats can be opened on the device?	
183) Editing	What image formats can be edited on the device?	
184) Ringing tone	What audio formats can be used as ringing tones on the device?	
185) Max bitrate per channel	What are the maximum audio bitrates supported?	
186) Receiving	What MMS formats can be received?	
187) Sending	What MMS formats can be sent?	
188) Total Product Offering (TPO) item name	What software is pre-installed on the device, or available with the device?	
189) Total Product Offering (TPO) item description	What is this software used for?	
190) Universal Mobile Holder	Model numbers of compatible Nokia accessories	

Field	Field description	Example values
191) Mobile Charger	Model numbers of compatible Nokia accessories	
192) Wireless Plug-in Car Handsfree	Model numbers of compatible Nokia accessories	
193) Advanced Car Kit	Model numbers of compatible Nokia accessories	
194) Multimedia Car Kit	Model numbers of compatible Nokia accessories	
195) Display Car Kit	Model numbers of compatible Nokia accessories	
196) 1 GB MicroSD Card	Model numbers of compatible Nokia accessories	
197) 2 GB MicroSD Card	Model numbers of compatible Nokia accessories	
198) 4 GB MicroSD Card	Model numbers of compatible Nokia accessories	
199) 8 GB MicroSD Card	Model numbers of compatible Nokia accessories	
200) 16 GB MicroSD Card	Model numbers of compatible Nokia accessories	
201) 32 GB MicroSD Card	Model numbers of compatible Nokia accessories	
202) Connectivity Cable	Model numbers of compatible Nokia accessories	
203) Video Connectivity Cable	Model numbers of compatible Nokia accessories	
204) Wireless GPS Module	Model numbers of compatible Nokia accessories	
205) Music Headset	Model numbers of compatible Nokia accessories	
229) Application	Which Calendar application is available on the device?	
206) Bluetooth Headset	Model numbers of compatible Nokia accessories	

Field	Field description	Example values
207) Bluetooth Stereo Headset	Model numbers of compatible Nokia accessories	
208) Stereo Headset	Model numbers of compatible Nokia accessories	
209) Bluetooth Speakers	Model numbers of compatible Nokia accessories	
210) Nokia Battery	Model numbers of compatible Nokia accessories	
211) USB Charger	Model numbers of compatible Nokia accessories	
212) Charger Adapter	Model numbers of compatible Nokia accessories	
213) Power Pack	Model numbers of compatible Nokia accessories	
214) Transceiver	Model number of item in Sales Package	
215) Battery	Model number of item in Sales Package	
216) Charger	Model number of item in Sales Package	
217) Wired headset	Model number of item in Sales Package	
218) Data cable with USB	Model number of item in Sales Package	
219) Memory Card	Model number of item in Sales Package	
220) HDMI adapter	Model number of item in Sales Package	
221) DVD	Model number of item in Sales Package	
222) Nokia Capacitive Stylus	Model number of item in Sales Package	
223) User Guide	Model number of item in Sales Package	
225) Cleaning Cloth	Model number of item in Sales Package	
227) Application	Which Really Simple Syndication (RSS) reader is pre-installed on the device?	S60 OS web browser built-in RSS reader
228) Application	Which Ovi Store client version is pre-installed on the device?	Ovi Store S60 client 1.7

Field	Field description	Example values
230) Application	Which Contacts application does the device have?	S30 contacts
231) Supported	Does the device support cellular network conference calls?	Yes/No
232) Supported	Does the device support circuit-switched H.324 video calls through the cellular network?	Yes/No
233) Supported	Does the device support Open Mobile Alliance (OMA) Push-to-talk Over Cellular (PoC) functionality?	Yes/No
234) Supported	Does the device support Video sharing through IP Multimedia System (IMS) during a phone call?	Yes/No
235) Supported	Does the device support cellular network access through WLAN with Unlicensed Mobile Access (UMA) / 3GPP Generic Access Network (GAN) functionality?	Yes/No
236) Supported	Does the device support Voice over IP (VoIP)?	Yes/No
237) Creating	What video formats can be created on the device?	
238) Handling	What video formats can be played on the device?	
239) Editing	What video formats can be edited on the device?	
240) Creating	What audio formats can be created on the device?	
241) Handling	What audio formats can be played on the device?	
242) Editing	What audio formats can be edited on the device?	
243) Display size	Physical size of the display area in millimeters (mm).	28.42 mm x 35.52 mm

Field	Field description	Example values
244) Display technology	Technology used in the display.	LCD TFT (Thin-film transistor), OLED (Organic LED)
245) Supported colors	Number of colors the display can support, in thousands (k) or millions (M)	252k, 16M
245) Supported Bluetooth 3.0 protocols	Which protocols defined in the Bluetooth 3.0 specifications does the device support?	Logical Link Control and Adaptation Protocol Service Discovery Protocol RFCOMM Audio/Video Distribution Transport Protocol Audio/Video Control Transport Protocol
246) Supported WLAN security standards	Which WLAN security standards are supported?	WEP 64bit /WEP 128b WPA-PSK WPA2
247) IM/chat supported	Does the device support Instant Messaging (IM) or chat?	Yes/No
248) More than one finger touch support	Does the touch screen support touch with more than one finger?	Yes/No
249) Composite video out	Does the device support analog TV-out via composite video?	Yes/No
250) Internal mass memory	Does the device have a built-in flash mass memory? Size?	Yes, 16 GB
251) Symbian Leaflet	Does the device include a Symbian Leaflet in the Sales Package?	Yes/No
252) Notification light	Does the device have a light (LED) for general indication /notification (for example indication if received text messages)?	Yes/No
253) Breathing light	Does the device have a light to indicate if the device is on even if the keylock is on and there is no image on the display?	Yes/No
254) Flashlight	Can the device's flash module be used as a flashlight?	Yes/No