

# Product Datasheet for Nokia 6820



## Application Features

Digital rights management	Yes
Java support	J2ME
Over the air configuration (OTA)	Yes
SIM toolkit release	1999

## Browsing

WAP	Yes
WAP version	2.0
WTLS key encryption	1024
WTLS support	Class 3

## Communication Classes

EDGE	Yes
Extended GSM (EGSM)	Yes
GSM bands	GSM 900/1800/1900
HSCSD	Yes
HSCSD multislots	2+2 & 3+1

## GPRS

GPRS	Yes
GPRS PBCCH	Yes
GPRS coding scheme	CS1 CS2 CS3 CS4
GPRS functionality	Class B
GPRS timeslots	Class 10 (4+2)

## Data Connectivity

Data & fax	Data only
Infra red	Yes
SyncML	Included
USB port support	Yes

## Bluetooth

Bluetooth	Yes
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## PIM Synchronisation

Calendar Synchronisation	MS Outlook and Lotus Notes
Contact Synchronisation	MS Outlook and Lotus Notes

## Dimensions

Size depth (mm)	20
Size length (mm)	107
Size width (mm)	47
Weight with std batt (g)	100

## Display & Imaging

### Camera

Camera option	Integrated
Integrated camera res X	352
Integrated camera res Y	288
Integrated video camera res X	176
Integrated video camera res Y	144

### Primary Display

Colour depth	4096
Colour type	Colour
Resolution X	128
Resolution Y	128
Video playback	Yes
Viewable size X (mm)	28
Viewable size Y (mm)	28

### Environmental

SAR @ 10g avg (W/kg)	0.72
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### Key Device Features

Calculator	Yes
Carkit option	Portable or fixed
Chinese character support	Available
Clock	Alarm clock
Download tones/pics	Ringtones & pictures
Event organiser	Calendar & organiser
Games	Pre-installed & downloadable
Handsfree	Integrated + headset incl.
Rapid text input	QWERTY keyboard
Ringtone complexity	Polyphonic
Slide or flip cover	Flip
Timers	Stopwatch & countdown
Vibrate alert	Yes
Voice activation	Vox dial & command

### Messaging

Concatenated SMS	Yes
E-mail client	POP3 & IMAP4
Instant message client	Included
SMTP authentication	Yes

### MMS

MMS	Yes
MMS download notify	Yes
Message size max rx (Kb)	100
Message size max tx (Kb)	100

### Audio

AMR format	Send & receive
MIDI format	Send & receive
MP3 format	No
SP-MIDI format	Send & receive
WAV format	No
WMD format	No
i-melody format	No

### Image

BMP display oversize	Resize
BMP format	Send & receive
GIF animation	Loop supported
GIF display oversize	Resize

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GIF format	Send & receive
JPG display oversize	Resize
JPG format	Send & receive
PNG display oversize	Resize
PNG format	Send & receive
WBMP display oversize	Resize
WBMP format	Send & receive

## SMIL

Background	Send & receive
Max pages receive	No limit
Max pages send	No limit
Page timing default (s)	0

## Text

Font size options	Normal only
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## Video

3GPP format	Send & receive
AVI format	No
MPEG4 format	No
Video	Yes

## Operating System & CPU

Memory RAM (MB)	3.5
Operating System	Nokia Series 40

## Standard Battery Specs

Capacity (mAh)	850
Technology	Li-ion
Time average charge (min)	90
Time max standby (hours)	250
Time max talk time (min)	420
Voltage (V)	3.7
Weight (g)	19.5

## Standard Services

### Device

Anykey answer	Yes
Auto-answer	Yes
Auto-redial	Yes
Call timer reset	Yes
Carkit auto-power-off	No
Carkit radio mute	Yes
Change PIN1	Yes
Change PIN2	Yes
DTMF support	Send & store
Device profile URL	<a href="http://nds.nokia.com/uaprof/N6820r100.xml">http://nds.nokia.com/uaprof/N6820r100.xml</a>
Electronic/mechanical keyguard	Yes
Hardware security	Yes
Last call duration	Yes
Mic mute	Yes
Missed call indicator	Yes
PIN enable	Yes
Phonebook capacity	500
SMS storage capacity	SIM + device capacity
Silent service	Yes
Start-up security	PIN only

Total calls timer	Yes
Welcome greeting	Yes

## Network

Adaptive multi rate (AMR)	Yes
CLIR PCB (*31# o/ride)	Yes
CLIR PCBN (#31# o/ride)	Yes
CPHS CFF	Yes
CPHS VWF	Yes
Call conference	Yes
Call hold	Yes
Call transfer	Yes
Call wait	Yes
Caller ID	Yes
Cancel diverts	Yes
Cell broadcast	Yes
Divert all voice calls	Yes
Divert data calls	Yes
Divert fax calls	No
Divert if busy	Yes
Divert if no answer	Yes
Divert if not available	Yes
Divert if out of reach	Yes
EFR	Yes
FACCH call setup	Yes
Half rate	Yes
SMS originate	Yes
SMS replace	Yes
SMS reply	Yes
SMS terminate	Yes
SPN/ONS support	SPN only
USSD	Yes
Voicemail icon	Voicemail

## Accessories

### Battery

BL-5C , 850mAh Li-ion battery

### Charger

AC-1 , Retractable Charger  
ACP-12A , Slim travel charger

### Connectivity

DKU-5 , Connectivity cable

### Handsfree

HDB-4 , Boom headset  
HDW-2 , Bluetooth headset  
HS-5 , Personal headset  
HS2-R , Radio headset  
HS3-W , Bluetooth headset  
HS4-W , Bluetooth headset  
LPS-4 , Mobile inductive loopset

### Imaging

HS-1C , Camera and personal headset  
SU-2 , Image viewer

### Vehicle

610 , Full bluetooth carkit and car phone

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BHF-1 , Headset headrest  
CARK-112 , Bluetooth carkit  
CARK-126 , Full carkit  
LCH-12 , Mobile Charger  
LCH-9 , Mobile charger  
MBC15-S , Mobile holder