

Product Datasheet for Samsung Niagara B2100



Application Features

Digital rights management	Yes
Java support	J2ME
SIM toolkit release	99

Browsing

HTML	Yes
WAP	Yes
WAP version	2.0
XHTML	Yes

Communication Classes

Extended GSM (EGSM)	Yes
GSM bands	GSM 850/900/1800/1900

GPRS

GPRS	Yes
GPRS PBCCH	Yes
GPRS timeslots	Class 10 (4+2)

Data Connectivity

MMC	No
Micro SD, transflash	Yes
Mini SD	No
SD full size	No
Sony M2	No
SyncML	Included
USB port support	Yes

Bluetooth

Bluetooth	Yes
-----------	-----

PIM Synchronisation

Calendar Synchronisation	MS Outlook
Contact Synchronisation	MS Outlook

Dimensions

Size depth (mm)	16.9
Size length (mm)	112
Size width (mm)	48
Weight with std batt (g)	102

Display & Imaging

Camera

Camera Megapixels	1.3
Camera option	Integrated
Integrated camera res X	1280
Integrated camera res Y	1024
Integrated video camera res X	176
Integrated video camera res Y	144
Video capture	Yes

Primary Display

Colour depth	262000
Colour type	Colour
Resolution X	128
Resolution Y	160
Viewable size X (mm)	28
Viewable size Y (mm)	35

Environmental

SAR @ 10g avg Head (W/kg)	0.716
Separation distance for Body Measurement if applicable (cm)	1.5

Key Device Features

Calculator	Yes
Carkit option	Portable or fixed
Clock	Alarm clock
Download tones/pics	Ringtones & pictures
Event organiser	Basic event reminders
Games	Pre-installed & downloadable
Handsfree	Integrated + headset incl.
MP3 Player	Included
Radio	FM
Rapid text input	T9 standard
Ringtone complexity	Polyphonic & sampled
Ruggedisation	Shock & water (heavy)
T-coil for hearing aids	No
Timers	Stopwatch
Vibrate alert	Yes

Messaging

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

MMS

MMS	Yes
MMS download notify	Yes
Message size max rx (Kb)	300
Message size max tx (Kb)	300

Audio

AMR format	Send & receive
MIDI format	Send & receive
MP3 format	Send & receive
MP4	Send & Received
SMAF	No
SP-MIDI format	Send & receive
WAV format	Send & receive
WMD format	No
i-melody format	Send & receive

Image

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

Product Datasheet for Samsung Niagara B2100

JPG format	Send & receive	Adaptive multi rate (AMR)	Yes
PNG display oversize	Resize	Call conference	Yes
PNG format	Send & receive	Call hold	Yes
TIFF format	No	Call transfer	Yes
WBMP display oversize	Resize	Call wait	Yes
WBMP format	Send & receive	Caller ID	Yes
SMIL			
Background	Send & receive	Cancel diverts	Yes
Max pages receive	5 or more (fixed limit)	Cell broadcast	Yes
Max pages send	5 or more (fixed limit)	Divert all voice calls	Yes
Page timing default (s)	5	Divert data calls	Yes
Text			
Font size options	Small & large supported	Divert fax calls	Yes
Formatting options	Bold, italic & underline	Divert if busy	Yes
Video			
3GPP format	Send & receive	Divert if no answer	Yes
AVI format	Send & receive	Divert if not available	Yes
H.263 format	Send & receive	Divert if out of reach	Yes
MPEG4 format	Send & receive	EFR	Yes
Operating System & CPU			
Internal memory available to user (MB)	20	FACCH call setup	Yes
Operating System	Samsung Proprietary	Half rate	Yes
Processor Speed (MHz)	130	SMS originate	Yes
Standard Battery Specs			
Capacity (mAh)	1000	SMS replace	Yes
Technology	Li-ion	SMS reply	Yes
Time average charge (min)	120	SMS terminate	Yes
Time max standby 2G (hours)	300	SPN/ONS support	SPN & ONS
Time max talk time 2G (min)	420	Type Approval Code(s)	35856702
Voltage (V)	3.7	Voicemail icon	Voicemail
Standard Services			
Device			
Anykey answer	Yes	Vodafone Customisation	
Auto-answer	Yes	New Zealand Vodafone Live!	Yes
Auto-redial	Yes		
Call timer reset	Yes		
Carkit auto-power-off	No		
Carkit radio mute	Yes		
Change PIN1	Yes		
Change PIN2	Yes		
Electronic/mechanical keyguard	Yes		
Last call duration	Yes		
Mic mute	Yes		
Missed call indicator	Yes		
PIN enable	Yes		
Phonebook capacity	1000		
SMS storage capacity	SIM + device capacity		
Silent service	Yes		
Start-up security	PIN and/or hardware		
Total calls timer	Yes		
Welcome greeting	Yes		
Network			