

Nokia 3650 FAQ
Version 1.0
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1. BASIC QUESTIONS

1.1 When will the Nokia 3650 be available?

The shipments are expected to begin early 2003.

1.2 In what markets will it be available?

the Nokia 3650 will be available where GSM 900/1800/1900 networks are available, i.e. all five continents.

1.3 Is this Nokia's first imaging phone for American markets?

Yes, the Nokia 3650 is the first Nokia phone with an integrated camera and also the first capable of sending MMS messages in the Americas.

However, the Nokia 9290 Communicator, which is available in the U.S, has an imaging functionality that allows digital images to be attached to business cards or transferred to the Communicator and sent via email.

1.4 What is the target audience for this product?

We believe the Nokia 3650 is an ideal choice for 18-35 year-old early adopters and early majority and those with an interest in the latest technology. Typical users value social contacts and the sharing of moments.

1.5 What are the differences between the Nokia 3650 and the Nokia 7650?

- the Nokia 3650 is a tri-band phone operating on all five continents, wherever GSM 900/1800/1900 networks are available.
the Nokia 7650 is a dual band phone.
- The design and target group are different between the Nokia 3650 and the Nokia 7650. The Nokia 7650 is of classic design while the Nokia 3650 is an expression of the user's personality. The Nokia 3650 has a circular keyboard and user-changeable Xpress-on covers.
- The Nokia 3650 memory can be expanded with an external memory card.
- The Nokia 3650 includes an XHTML browser with i-mode extensions.
- The Nokia 3650 incorporates a camcorder, for personal video recording.
- The Nokia 3650 has a RealOne Player for downloading and playing file-based and streaming video.
- In addition to Bluetooth data, the Nokia 3650 also supports BT audio.

1.6 What are the commonalities between the Nokia 3650 and the Nokia 7650?

All applications developed for the Nokia 7650 imaging phones are compatible with the Nokia 3650 imaging phones. Both imaging phones share the following characteristics:

- Symbian OS 6.1
- Series 60 UI
- 5-way navigation key/li>
- Integrated VGA camera
- Color screen with 176x208 resolution
- Infrared connectivity
- Bluetooth connectivity
- GPRS

2. IMAGING

2.1 What features do the Nokia 3650 camera and display support?

- Image capture at VGA resolution (640x480)
- 24 bit image capture (16,7 million colors)
- Photo display at 160x120 resolution
- 12 bit color display (4096 colors)
- Image composition in landscape (VGA) and portrait (80x96) orientation
- Low light mode (VGA)
- Uses phone display as view finder
- Zoom, scroll, and rotate (on display, no zoom in camera)

2.2 How many pictures can be stored in the Nokia 3650?

Dozens of images can be stored in it. The exact number depends on the number of downloaded applications, saved messages, etc. The size of one VGA image is approximately 10-20 kB.

There are three image quality options: High, Normal and Basic. This affects the image quality and file size (different jpg compressions), not resolution. If 1 MB of memory were used for images only, it would hold approximately 40 Normal-quality images taken in Standard mode.

The table below illustrates approximately how many images would fit in 1 MB of memory with different settings.

Image quality Image type	Basic	Normal	High
Standard	55	40	30
Night	28	18	16
Portrait	-	-	>200

3. COMPATIBILITY

3.1 What message types does this terminal support?

- SMS
- MMS
- Smart Messages

3.2 Which image formats does the Nokia 3650 support?

- BMP (Bitmap Picture)
- GIF 87a (Graphics Interchange Format)
- GIF 89a (animation support)
- JPEG (Joint Photographic Experts Group)
- MBM (EPOC bitmap)
- PNG (Portable Network Graphics)
- WBMP (Wireless Bitmap Picture)
- TIFF-F (Tag Image File Format - F Profile for Facsimile)

3.3 Which sound formats does the Nokia 3650 support?

- MIDI files
- WAV files
 - 16-bit PCM
 - a-law, u-law
 - GSM Full-Rate
 - ADPCM (Adaptive Differential Pulse Code Modulation)
 - AMR (Adaptive Multi Rate)
- AU files
 - a-law, u-law
- WVE (EPOC native audio file format)
 - a-law
- Downloadable ring tones
- Speech Codecs: HR, FR and EFR

3.4 Can users access corporate e-mail with the Nokia 3650?

Yes, the terminal supports the SMTP, POP3 and IMAP4 mail protocols, which most corporate e-mail systems use.

3.5 Is there any digital rights management (DRM) in the Nokia 3650?

Yes, DRM (level 1b) is supported. For example, Java MIDlets, MIDI tones, and traditional ring tones cannot be forwarded to another phone.

4. WAP/XHTML CAPABILITIES**4.1 Which WAP bearers are supported?**

The Nokia 3650 supports GPRS and HSCSD. Multislot class is 6 (2+2, 3+1, classes B&C)

5. DEVELOPMENT SUPPORT**5.1 How can I create applications for the Nokia 3650?**

Applications can be developed using the Nokia Series 60 SDK for Symbian OS available for software developers free of charge. All applications developed for the Nokia 7650 imaging phones are compatible with the Nokia 3650 devices.

5.2 Is a software development kit available?

The Nokia Series 60 SDK for Symbian OS can be downloaded free of charge from www.forum.nokia.com/tools.