



### Technical Specifications

Band/Frequency	GSM 900/1800/1900 GPRS
Region	Global
Technology	WAP 2.0, J2ME, MMS, Magic 4 IM
Connectivity	USB, Bluetooth
Dimensions	124 x 53 x 21 mm
Weight	130 g
Display	240 x 320 65k TFT Color
Operating System	Motorola
Chipset	Intel

### Key Features

- Tri band
- MMS
- Integrated VGA camera
- MPEG4 video capture/playback
- Wireless IM
- Email
- Stereo 3D speakers (2)
- MP3 music/ringtone download and playback
- MIDI music
- Embedded, portable, and online Java Games
- Customizable UI skins
- 50 MB internal user memory for music and games
- Removal memory for additional storage support
- FM Radio

### J2ME™ Information

CLDC v1.1 and MIDP v2.0 compliant	
Maximum MIDlet suite size	1 MB
Heap size	2 MB
Maximum record store size	100 K
MIDlet storage/Shared User Mem	50 M
Interface connections	HTTP, Socket, UDP, Serial port
Maximum number of sockets	10
Supported image formats	.PNG, .JPEG, .GIF (still)
Double buffering	Supported
Encoding schemes	ISO8859_1, ISO10646, UTF-8
Input methods	Touch Screen
Additional API's	JSR 120, JSR 135, JSR 184, JSR 185
Audio	MIDI, MP3, AMR, WAV, TONE Sequence
Video	MP4, 3GPP
Photo Capture	.PNG, .JPEG

### Related Information

#### Motorola Developer Information:

Developer Resources at <http://www.motocoder.com/>

#### Tools:

CodeWarrior® Wireless Studio v7.0

J2ME™ SDK version v4.0

Motorola Messaging Suite v1.1

#### Documentation:

Creating Media for the Motorola E680 Handset

#### References:

J2ME™ specifications: <http://www.java.sun.com/j2me>

MIDP v2.0 specifications: <http://www.java.sun.com/products/midp>

CLDC v1.0 specifications: <http://www.java.sun.com/products/cldc>

WAP forum: <http://www.wap.org>

EMS standards: <http://www.3GPP.org>

#### Purchase:

Visit the Motocoder Shop at <http://www.motocoder.com/>

Accessories: <http://www.motorola.com/consumer>