

BenQ-Siemens EF81 – UMTS Performance In Lean Design

Product Profile

- Complete UMTS feature set in a 15.9 mm slim clamshell design
- Superb quality of detail demonstrated by real magnesium housing, brushed stainless steel front and keypad, aluminum rear cover and applications combined with an extremely flat metal keypad and hardened mineral glass external display
- Can be operated conveniently when closed due to a large second display (120 x 160 pixels, QQVGA) and four keys on the upper case enabling the use of main applications without opening the device

Technical Data

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- Dimensions: 94 x 51x 15.9 mm
- Weight: 110 g
- Standby time*: GSM: up to 300h; UMTS: up to 250h
- Talktime*: GSM: Approx 4.5 h; UMTS: approx 3.5 h
- Battery: Li-Ion 950 mAh
- Antenna: Integrated
- Main-display: QVGA 240 x 320 pixels, 2.2 inches, TFT, 262,144 colors
- Sub-display: QQVGA 120 x 160 pixels, 1.3 inches, TFT, 262,144 colors
- Camera: 2.0 megapixel camera, 5x digital zoom rotating hinge camera
- Connectivity: Bluetooth®, USB
- Storage: Internal user memory: 64 MB, Micro SD card slot

System/Standards

- GSM: Tri-band 900/1800/1900
- UMTS: W-CDMA 2100
- GPRS Multislot class 10

SIM Functionality/Security Controls

- SIM Application Toolkit (Rel. 99)
- SIM lock, various levels
- PIN 1 & 2 control

Services

- SMS, MMS rel. 4, MMS postcard service, IMPS, e-mail
- Browser: OMA browsing 2.0, XHTML-MP, wCSS (98%), wTCP/IP, WML 1.3, dual stack (whttp, WSP 1.x); OMA download OTA; SSL 3.0/TLS 1.0
- Java: MIDP 2.0; CLDC 1.1, JTWI 1.1

* Actual performance is dependent on network conditions

Market Introduction Q1/2006



Features

- Exciting visual experience provided by full video capability and a large 2.2 inch display with high-color depth
- Extremely flat stainless steel keypad with electroluminescent foil illumination
- Video telephony
- 2.0 megapixel camera for picture and video taking
- High-resolution displays (QVGA/QQVGA) with brilliant colors (TFT, 262,144 colors)
- Dedicated keys on upper case for using main functions (camera, MP3) and call handling in closed mode
- Media player for music and video; MP3-AAC++, MPEG4, RealVideo 8/9, h.263, 3GPP
- Video download and streaming
- 64-chord polyphonic ringtones; MP3-AAC++, real audio 8 enhanced
- Micro SD card slot
- MMS, e-mail client, IMPS
- Speaker dependent (SD) voice dialing
- Bluetooth® and USB support
- State-of-the-art Headset Bluetooth® Comfort as accessory

Status December 2005

The manufacturer reserves the right to modify the specifications of the product without prior notice

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Original Accessories

Fashion & Carry

- Leather Case FCL-160
- Leather Case FCL-170

Energy

- Li-Ion Battery 950 mAh EBA-160
- Travel Charger (EU/UK) ETC-100/110
- Car Charger Plus ECC-100
- Desk Top Stand EDS-100

Handsfree Portable

- Headset Bluetooth® HHB-100
- Headset Bluetooth® Clip (EU/UK) HHB-130/131
- Headset Bluetooth® Comfort (EU/UK) HHB-160/161
- Headset Bluetooth® (EU/UK) HHB-700/710
- Headset Stereo HHS-150
- Headset HHS-110
- Headset Purestyle HHS-120
- Headset Basic HHS-100
- Charger Adapter ECA-500
(for Headset Bluetooth® HHB-700/710)
- Charger Adapter ECA-100
(for Headset Bluetooth® HHB-130/131/160/161/700/710)

Car Solutions

- Car Kit Bluetooth® HKW-600
- Car Kit Portable HKP-100
- Mobile Holder HMH-100

Office

- Data Cable DCA-100
- Data Cable USB DCA-140
- SyncStation DSC-100

Standard Color Variants



Standard Package

- EF81 handset
- Li-Ion Battery 950 mAh
- Travel charger
- Headset Stereo HHS-150
- Data Cable USB DCA-140
- User guide
- CD-ROM including synchronization software

Supported Supplementary Services*

- | | |
|------------------|---|
| • ALS | Alternative Line Service |
| • AOCC | Advice of Charge Charging. Control of units used with preset limit |
| • AOCI | Advice of Charge Information. Display of units with cost conversion |
| • CAI | Display of Charge Advice Information |
| • CB | Call Barring (all GSM options) |
| • CCBS | Call Completion to Busy Subscriber |
| • CF | Call Forwarding |
| • CH | Call Hold |
| • CLIP | Calling Line Identification Presentation |
| • CLIR | Calling Line Identification Restriction |
| • CPHS4.2 | Common PCN Handset Specification |

- | | |
|----------------------|---|
| • CT | Call Transfer |
| • CW | Call Waiting |
| • ECT | Explicit Call Transfer |
| • FDN | Fixed Dialing Numbers** |
| • HZI | Home Zone Indicator |
| • LND | Last Number Dialing |
| • MTPY | Multiparty Conference |
| • SMS CB | Cell Broadcast |
| • SMS MO | Mobile Originated |
| • SMS MT | Mobile Terminated |
| • USSD-notify | Unstructured Supplementary Service Data |

* Network-dependent

** SIM-related features

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