SIM5320

The SIM5320 series is Dual-Band HSDPA/WCDMA and Quad-Band GSM/GPRS/EDGE module in a SMT package which supports HSDPA up to 3.6Mbps for downlink data transfer.

It has strong extension capability with rich interfaces including UART, USB2.0, SPI, I2C, Keypad, PCM, etc. With abundant application capability like embedded LUA script, TCP/UDP/FTP/FTPS/HTTP/HTTPS/SMTP/POP3 and MMS, the module provides much flexibility and ease of integration for customer’s application. It is ideal for a wide range of products like PDA, MID, PND, POS, Tracker, AMI, Health Care etc.

**Smart Machine Smart Decision**

**General features**
- SIM5320A: Dual-Band UMTS/HSDPA 850/1900MHz
- SIM5320E: Dual-Band UMTS/HSDPA 900/2100MHz
- SIM5320J: Dual-Band UMTS/HSDPA 850/2100MHz
- GPRS multi-slot class 12
- EDGE multi-slot class 12
- Output power:
  - UMTS 850/1900: 0.25W
  - UMTS 900/2100: 0.25W
  - GSM850/GSM900: 2W
  - DCS1800/PCS1900: 1W
- Control Via AT Commands
- Supply voltage range: 3.4~4.2V
- Operation temperature: -30℃ to +80℃
- Extended operation temperature: -30℃ to +85℃
- Dimension: 30 * 30 * 2.9 mm
- Weight: 5.6g

**Support embedded Script Language**
- LUA Script Language

**Specifications for GPS/Location**
- CELL assistant Location (No GPS)
- A-GPS: MS-Based, MS-Assisted
- Stand-alone GPS
- QUALCOMM XTRA GPS mode

**Specifications for Data transfer**
- HSDPA: Max. 3.6Mbps(DL)
- WCDMA:
  - Max.384Kbps(DL), Max.384Kbps(UL)
- EDGE Class:
  - Max. 236.8Kbps(DL), Max.118Kbps(UL)
- GPRS: Max. 85.6Kbps(DL), Max.42.8Kbps(UL)
- CSD: GSM data rate 14.4Kbps
- WCDMA data rate 57.6Kbps
- WCDMA 64kbps CSD for Video call
- Multi-PDP connect application

**Specifications for SMS**
- Point to point MO and MT
- Text and PDU mode

**Specifications for Network Identity and Time zone (NITZ)**
- Support in GSM and WCDMA

**Other features**
- USB Driver for Microsoft Windows 2000/XP/Vista
- USB Driver for Windows CE/Mobile
- USB Driver for Linux 2.6/Android
- Firmware update via USB
- MMS
- TCP/IP
- MUX protocol over UART
- FTP/FTPS/HTTP/HTTPS/SMTP/POP3/DNS
- FOTA
- eCall Ready
- Jamming detection support

**Interfaces**
- USB2.0
- UART
- SIM card
- SPI
- I2C
- Keypad
- Constant current sink
- GPIO
- RTC
- ADC
- PCM

**Certifications**
- SIM5320A: FCC, PTCRB, IC, ROHS, REACH
- SIM5320E: CE, GCF, ROHS, REACH, NCC

**Carrier Approvals**
- SIM5320A: AT&T, Rogers
- SIM5320J: Telec
- SIM5320E: TIM

More about SIMCom SIM5320
Please contact:
Tel: 86-21-32523300
Fax: 86-21-32523301
Email: simcom@sim.com
Website: www.sim.com

All specifications are subject to change without prior notice.