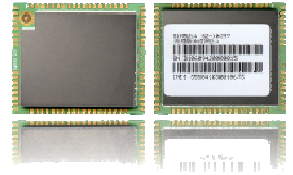




WCDMA/HSPA Module



SIM5214

The SIM5214 series is Dual-Band WCDMA and Tri-Band GSM/GPRS/EDGE module solution in a SMT type which supports WCDMA 384kbps for data transfer.

It has strong extension capability with rich interfaces including UART, USB2.0, Embedded SIM Card, SPI, Keyboard, LDO, Charger, PCM, etc. With abundant application capability like embedded LUA script, TCP/UDP/FTP/HTTP/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, etc.

Smart Machine Smart Decision

General features

- SIM5214A: Dual-Band UMTS/HSDPA 850/1900MHz
GSM/GPRS 850/900/1900MHz
- SIM5214E: Dual-Band UMTS/HSDPA 900/2100MHz
GSM/GPRS 850/900/1800MHz
- GPRS multi-slot class 12
- EDGE multi-slot class 12
- UMTS 3GPP release 99
- GSM 3GPP release 99
- Output power
 - UMTS 2100/900: 0.25W
 - GSM850/GSM900: 2W
 - DCS1800: 1W
- Control Via AT Commands
- Supply voltage range: 3.4V~ 4.2V
- Temperature range
 - Normal operation: -20°C to +70°C
 - Restricted operation : -30°C to -20°C, +70°C to +80°C
 - Storage temperature : -40°C to +85°C
- Dimension: 38.2X32.2×5.3 mm
- Weight: 15g

Support embedded Script Language

- LUA Script Language

Specifications for Data transfer

- 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

Specifications for SMS

- Point to point MO and MT
- Text and PDU mode

•Specifications for CSD

- Support in GSM and WCDMA

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 Linux 2.6.16
- Firmware update via USB
- MMS
- TCP/IP
- FTP/HTTP/SMTP/POP3
- FOTA

Interfaces

- Embedded SIM card (option)
- USB2.0
- UART
- SIM card
- SPI
- Keypad
- GPIO
- RTC
- Charger
- ADC
- LDO
- PCM

More about SIMCom SIM5214 Please contact:

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