



WCDMA/HSPA Module



SIM5215

The SIM5215 series is a Dual-Band WCDMA and Tri-Band GSM/GPRS/EDGE module solution which supports WCDMA 384kbps for data transfer.

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. Its unique camera/video call feature shall add value to security solutions. It is ideal for a wide range of products including AMR, Gateway, Telematics, Tracking solution, Security solution and much more.

Smart Machine Smart Decision

General features

- SIM5215A: Dual-Band UMTS/HSDPA 850/1900MHz
Quad-Band GSM/GPRS/EDGE 850/900/
1800/1900MHz
- SIM5215E: Dual-Band UMTS/HSDPA 900/2100MHz
Tri-Band GSM/GPRS/EDGE 850/900/1800MHz
- SIM5215J: Dual-Band UMTS/HSDPA 850(800)/2100MHz
Quad-Band GSM/GPRS/EDGE 850/900/
1800/1900MHz
- GPRS multi-slot class 12
- EDGE multi-slot Class 12
- WCDMA 3GPP release 99
- Output power
 - UMTS 1900/850: 0.25W
 - UMTS 2100/900: 0.25W
 - GSM850/GSM900: 2W
 - DCS1800/PCS1900: 1W
- Control Via AT Commands
- Supply voltage range: 3.3~ 4.2V
- Operation temperature range: -30 °C to +80°C
- Dimension: 36 * 26 * 4.7(mm)
- Weight: 7g

Support embedded Script Language

- LUA Script Language

Specifications for Data transfer

- WCDMA
 - Max.384Kbps(DL), Max.384Kbps(UL)
- EDGE
 - 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

Specifications for video call

- DTMF on H245
- Support standard WCDMA 64kbps(CS)
Video call

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/FTPS/HTTP/HTTPS/SMTP/POP3
- FOTA
- USB Audio

Interfaces

- USB2.0
- UART
- USIM card
- ADC
- Digital Camera
- GPIO
- I2C
- Micro-SD card

Certifications

- SIM5215A • FCC
 - PTCRB
 - IC
 - ROHS
- SIM5215E • CE
 - GCF
 - ROHS

Carrier Approvals

- NCC
- Orange

More about SIMCom SIM5215
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