



WCDMA/HSPA Module



SIM5218

The SIM5218 series is a Tri-Band/Single-Band HSPA/WCDMA and Quad-Band GSM/GPRS/EDGE module solution which supports up to 7.2Mbps downlink speed and 5.76Mbps uplink speed services.

It has strong extension capability with rich interfaces including UART, USB2.0 high speed, Embedded SIM Card, SD Card, Camera sensor, GPS, etc. With abundant application capability like embedded LUA script, TCP/UDP/FTP/HTTP/SMTP/POP3 and MMS, it will add much value to customers' application. It is ideal for a wide range of products including USB Modems, gateways, router, PDA, Video phone, and much more.

Smart Machine Smart Decision

Advanced features

- SIM5218A: Tri-Band UMTS/HSPA 850/1900/2100MHz
- SIM5218E: Tri-Band UMTS/HSPA 900/1900/2100MHz
- SIM5218C: Single-Band UMTS 2100MHz
- USB 2.0 high speed or UART
- Embedded SIM Card (option)
- A-GPS/GPS positioning
- Video call with camera sensor interface
- WCDMA Equalizer
- WCDMA Diversity

General features

- HSDPA 7.2Mbps
- HSUPA 5.76Mbps
- GPRS multi-slot class 12
- EDGE multi-slot Class 12
- UMTS/HSDPA 3GPP release 5
- UMTS/HSUPA 3GPP release 6
- GSM 3GPP release 99
- Output power
 - UMTS 850/900/1900/2100: 0.25W
 - GSM850/GSM900: 2W
 - DCS1800/PCS1900: 1W
- Control Via AT Commands
- Supply voltage range: 3.3V~ 4.2V
- Dimension: 58×26×4.5(mm)
- Weight: 15g
- Temperature: -20 °C to +70 °C
- Restricted operation temperature: -30 °C to -20 °C, +70 °C to +80 °C
- Storage temperature: -40 °C to +85 °C

Specification for A-GPS/GPS

- A-GPS: MS-Based, MS-Assisted,
- Stand-alone GPS

Specification for Network Identity and Time zone (NITZ)

- Support in GSM and WCDMA

Specification for video call

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

Specification for SMS

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

Specification for Voice

- Voice codec: HR,FR, EFR
- AMR
- DTMF

Specification for Data transfer

- HSDPA
 - Max.7.2Mbps(DL)
 - UE Category: 4, 6, 8, 12
- HSUPA:
 - Max.5.76Mbps(UL)
- HSUPA+HSDPA
 - Max. 2.0Mbps(UL)+3.6Mbps(DL)
- UMTS
 - 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

Other features

- USB Driver for Microsoft Windows 2000/XP/Vista/Windows mobile/Windows CE
- USB Driver for Linux 2.6.16
- Firmware update via USB
- MMS
- TCP/IP
- FTP/HTTP/SMTP/POP3
- FOTA

Interfaces

- Embedded SIM card (option)
- USB 2.0 high speed
- UART
- USIM
- Audio: 2 Microphone, 3 speakers
- SD card interface
- Camera interface
- I2C interface
- GPIO

More about SIMCom SIM5218 Please contact:

Tel: 86-21-32523300

Fax: 86-21-32523301

Email: simcom@sim.com

Website: www.sim.com/wm