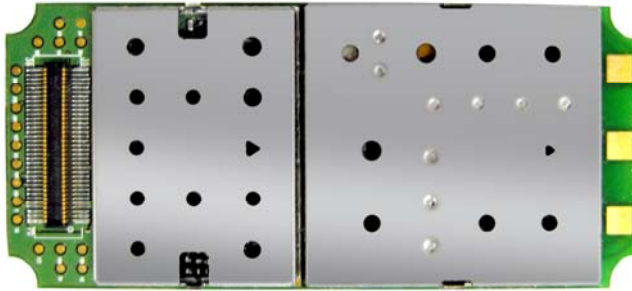# SIM5218

WCDMA/HSDPA/ HSUPA/A-GPS Module

WCDMA/HSDPA(7.2Mbps)/HSUPA(5.76Mbps) /A-GPS Module – SIM5218

With High speed HSDPA /HSUPA functionality and strong capability in extension, SIM5218 is ideal for a wide arrange of products including USB Modems, gateways, routers, PDAs, Video Phone, tracking solutions, security solutions with Video and many more.

Advanced Features：

➢ Tri-Band UMTS 2100/1900/850MHz or 2100/1900/900MHz
➢ Quad-Band GSM, 850/900/1800/1900 MHz
➢ HSDPA 7.2Mbps
➢ HSUPA 5.76Mbps
➢ A-GPS or Stand-alone GPS positioning
➢ USB 2.0 High speed and UART support
➢ Integrated TCP/UDP/IP protocol stack
➢ Video call with Camera interface
➢ Embedded SIM card (option)
➢ WCDMA Diversity
➢ WCDMA Equalizer

SIMCom SIMCom Wireless Solutions
A company of SIM Tech

WCDMA/HSDPA/HSUPA Module

General features：
- HSDPA 7.2Mbps
- HSUPA 2.0Mbps
- UMTS/HSDPA/HSDPA 850/1900/2100MHz
- Quad-Band GSM 850/900/1800/1900MHz
- 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 2100/1900/850: 0.25W
   GSM850/GSM900: 2W
   DCS1800/PCS1900: 1W
- Control Via AT Commands
- Supply voltage range: 3.4V~ 4.2V
- Temperature range
   Normal operation:-15℃ to +55℃
   Restricted operation :-20℃ to +70℃
   Storage temperature :-40℃ to +85℃
- Dimension: 58 × 26 × 4.5 mm
- Weight: TBD

Spec for A-GPS/Stand alone GPS:
- A-GPS mode: MS-Based, Ms- Assisted

Spec for Data transfer:
- HSDPA:
   Max. 7.2Mbps(DL)
   UE Category: 4, 6, 8, 12
- HSUPA
   Max. 5.76Mbps(UL)
- 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 date rate 57.6Kbps

Spec for SMS：
- Point to point MO and MT
- Text and PDU mode

Spec for Voice：
- Voice Codec HR, FR, EFR,AMR
- DTMF

Spec for CSD：
- Support in GSM and WCDMA

Spec for network Identity and Time Zone (NITZ)：
- Support in GSM and WCDMA

Spec for video call：
- DTMF on H245
- Support standard WCDMA Video call (CS 64Kbps)

Other features：
- USB Driver for Microsoft Windows 2000/XP/Vista
- USB Driver for Linux 2.6.16
- Firmware update via USB

Interfaces：
- Embedded SIM card (option)
- USB2.0
- UART
- SIM card
- Audio: 2 Microphone, 3 speaker
- Video (Camera)
- GPIO
- I2C
- Min-SD card

Distributed by:

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