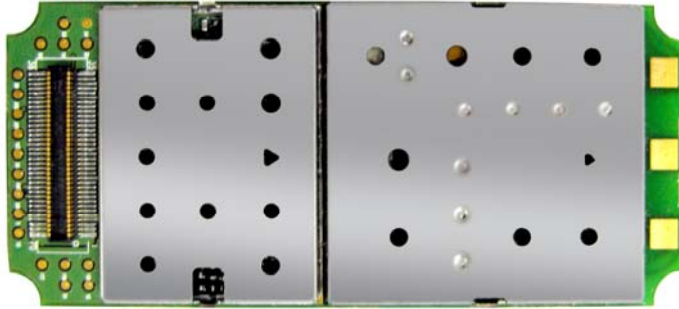


SIM5218

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 solution, security solutions with Video and many more.

Advanced Features:

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

WCDMA/HSDPA/HSUPA Module

General features:

- HSDPA 7.2Mbps
- HSUPA 5.76Mbps
- 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°C to +55°C
 - Restricted operation :-20°C to +70°C
 - Storage temperature :-40°C to +85°C
- Dimension: 58 × 26 × 4.5 mm
- Weight: about :TBD

Spec for A-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)
 - HSUPA+HSDPA
 - Max. 2.0Mbps(UL)+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

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 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

Interfaces:

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

More about SIM5218

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