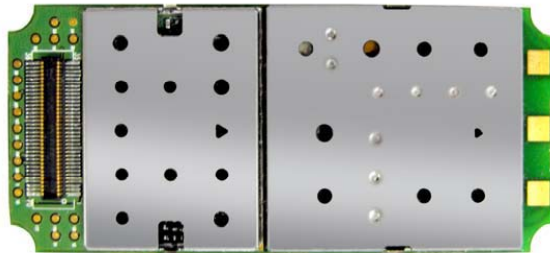


## WCDMA Module

# SIM5218J

## WCDMA/HSDPA/ HSUPA/A-GPS Module



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

With High Speed HSDPA/HSUPA functionality and strong capability in extension, SIM5218 is an 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/HSDPA/HSUPA 2100/1900/800 MHz
- Quad-Band GSM/GPRS/EDGE, 850/900/1800/1900 MHz
- HSDPA 7.2Mbps
- HSUPA 5.76Mbps
- GPS Positioning
- USB 2.0 High speed or UART support
- Integrated TCP/UDP/IP protocol stack
- Video call with Camera interface
- Embedded SIM card (option)
- WCDMA Diversity
- WCDMA Equalizer

#### General Features

- HSDPA 7.2Mbps
- HSUPA 5.76Mbps
- UMTS/HSDPA 800/1900/2100MHz
- Quad-Band GSM 850/900/1800/1900MHz
- GPRS multi-slot Class 12

## WCDMA Module

- EDGE multi-slot Class12
- UMTS/HSDPA 3GPP release 5
- UMTS/HSUPA 3GPP release 6
- GSM 3GPP release 99
- Output Power
  - > UTS 2100/1900/850: 0.25W
  - > GSM 850/900: 2W
  - > DCS 1800/ 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 X 26 X 4.5mm
- Weight: about: TBD

### Spec for A-GPS

- A-GPS mode: MS-based, MS-Assisted

### Spec for Data Transfer

- HSDPA:
  - > Max. 7.2Nbps (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)
- EDGE Class:
  - > Max. 236.8Kbps (DL)
  - > Max. 118Kbps (UL)
- GPRS:
  - > Max. 85.6Kbps (DL)
  - > Max. 42.Kbps (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

## WCDMA Module

### 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 speakers
- Video (Camera)
- GPIO
- I2C
- Min-SD card