



WCDMA Module



SIM5215

SIM5215 is ideal for a wide arrange of products including AMR, gateways, telematics, tracking solution, security solutions with Video and many more.

- Duo-Band UMTS 2100 900 MHz (Option: 1900 850 MHz)
- Tri-Band GSM/GPRS/EDGE, 850/900/1800 MHz
- USB 2.0 High speed or UART support
- Integrated TCP/UDP/FTP/HTTP/SMTP/POP3 protocol stack
- Support MMS
- Video call with Camera interface
- FOTA
- Support embedded script: LUA

Smart Machine Smart Decision

General features

- UMTS 900/2100MHz (Option: 1900/850)
- Tri-Band GSM 850/900/1800MHz
- GPRS multi-slot class 12
- EDGE multi-slot Class 12
- WCDMA 3GPP release 99
- Output power
 - UMTS 2100/900: 0.25W
 - GSM850/GSM900: 2W
 - DCS1800: 1W
- Control Via AT Commands
- Supply voltage range: 3.3V~ 4.2V
- Temperature range
 - Basic temperature range: -20 °C to +70 °C
 - Extended temperature range: -30 °C to +85 °C
 - Storage temperature :-40 °C to +85 °C
- Dimension: 36×26×4.7(mm)
- Weight: about :TBD

Support embedded Script Language

- LUA Script Language

Specifications for Data transfer

- 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

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

Interfaces

- USB2.0
- UART
- USIM card
- ADC
- Digital Camera
- GPIO
- I2C
- Micro-SD card
- Audio (Option)

More about SIMCom SIM5215
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