WCDMA/HSDPA Module

SIM5216

The SIM5216 series is Multi-Band HSDPA/WCDMA/GSM/GPRS/EDGE module solution which supports HSDPA up to 3.6Mbps for downlink data transfer.
With abundant application capability like embedded LUA script, TCP/UDP/FTP/HTTP/SMTP/POP3 and MMS, the module provides much flexibility and ease of integration for customer's application. Its unique camera/video call feature shall add value to security solutions. It is ideal for a wide range of products including AMR, Gateway, Telematics, Tracking solution, Security solution and much more.

Smart Machine Smart Decision

General features
- SIM5216A：Dual-Band UMTS/HSDPA 850/1900MHz
  Quad-Band GSM/GPRS/EDGE 850/900/1800/1900MHz
  SIM5216E：Dual-Band UMTS/HSDPA 900/2100MHz
  Tri-Band GSM/GPRS/EDGE 850/900/1800MHz
- GPRS multi-slot class 12
- EDGE multi-slot Class 12
- WCDMA 3GPP release 5
- Output power
  - UMTS 1900/850: 0.25W (for SIM5216A)
  - UMTS 2100/900: 0.25W (for SIM5216E)
  - GSM850/GSM900: 2W
  - DCS1800: 1W
  - PCS1900: 1W (for SIM5216A)
- Control Via AT Commands
- Supply voltage range: 3.3V~ 4.2V
- Operation temperature range: -30 ℃ to +80 ℃
- Dimension: 36×26×4.7(mm)
- Weight: 7g

Support embedded Script Language
- LUA Script Language

Specifications for Data transfer
- HSDPA
  - Max.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

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
- MMS
- TCP/IP
- FTP/HTTP/SMTP/POP3
- FOTA
- USB Audio

Interfaces
- USB2.0
- UART
- USIM card
- ADC
- Digital Camera
- GPIO
- I2C
- Micro-SD card