

WCDMA/HSPA Module



SIM5300EA

Ⓢ The SIM5300EA is a Dual-Band HSPA/WCDMA and Dual-Band GSM/GPRS/EDGE module in a SMT type which supports HSPA up to 7.2Mbps for downlink and 5.76Mbps for uplink data transfer. It has strong extension capability with rich interfaces including UART, USB2.0, SPI, I2C, etc. With abundant application capability like TCP/UDP/PPP/HTTP/FTP/MMS/EMAIL, the module provides much flexibility and ease of integration for customer's application.

Smart Machine Smart Decision

General features

- Dual-Band UMTS/HSPA 900/2100MHz
Dual-Band GSM/GPRS/EDGE 900/1800MHz
- GPRS multi-slot class 12
- EDGE downlink only
- Output power
 - UMTS 900/2100: 0.25W
 - GSM900: 2W
 - DCS1800: 1W
- Control Via AT Commands
- Supply voltage range: 3.4V~ 4.4V
- Operation temperature: -40°C to +85°C
- Dimension: 24 X24X 2.4mm
- Weight: 3.0 g

Specifications for Data transfer

- HSPA
 - Max. 7.2Mbps(DL), Max.5.76Mbps(UL)
- WCDMA
 - Max.384Kbps(DL), Max.384Kbps(UL)
- EDGE Class:
 - Max. 236.8Kbps(DL),
- GPRS
 - Max. 85.6Kbps(DL), Max. 85.6Kbps(UL)

Specifications for SMS

- Point to point MO and MT
- Text and PDU mode

Other features

- USB Driver for Microsoft Windows Vista/7/8/10
- USB Driver for Linux/Android
- Firmware update via USB
- TCP/IP/PPP
- HTTP/FTP
- MMS/EMAIL

Interfaces

- USB2.0
- UART
- SIM card
- I2C
- GPIO
- RTC
- ADC
- MIC/Receiver

Certifications

- CE

More about SIMCom SIM5300EA
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