

# 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, 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

### Interfaces

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

### Certifications

- CE (TBD)
- GCF (TBD)
- ROHS (TBD)
- Reach (TBD)

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