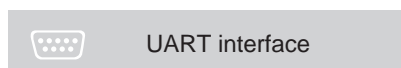
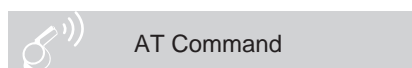
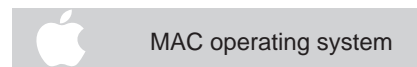
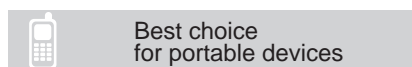
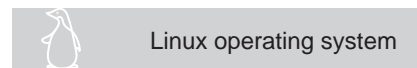
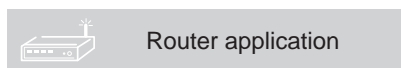
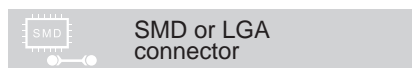
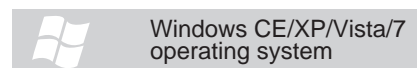
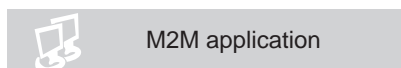
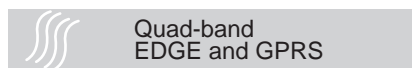
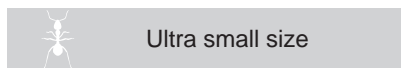
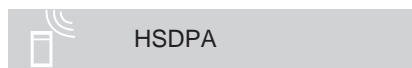
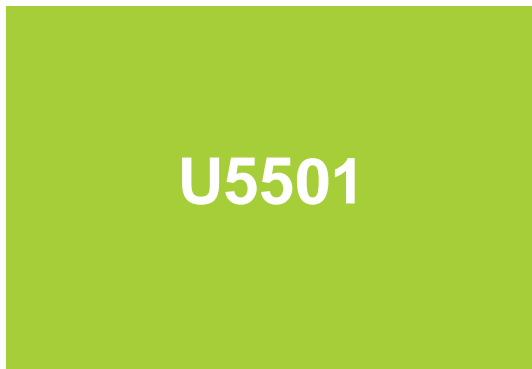


HSDPA Cellular Module

The U5501 is a Dual-Band HSDPA/WCDMA and Quad-Band EDGE/GPRS/GSM module solution which supports HSDPA 3.6Mbps for data transfer. In areas where HSDPA is not available, it still enable reliable and secure data connection over UMTS at speed up to 384 Kbps or EDGE at speed up to 237 Kbps or GPRS at speed up to 85.6 Kbps.

Except used as a standard wireless modem through AT command, U5501 offers Audio, SMS, MMS, Phonebook.





U5501 HSDPA Cellular Module

General features:

- HSDPA downlink up to 3.6Mbps
- WCDMA(UMTS) uplink up to 384kbps
- Dual-Band UMTS (WCDMA/FDD) 900/2100MHz
- Quad-Band
GMS 850/900/1800/1900 MHz
- EDGE (E-GPRS) multi-slot class 12
- GPRS multi-slot class 12
- UMTS/HSDPA 3GPP release 99
- GSM 3GPP release 99
- Output power:
 - Class 4 (2 W) for GSM900
 - Class 3 (0.25 W) for UMTS
 - Class E2 (0.5 W) for EDGE900
 - Class E2 (0.4 W) for EDGE1800
 - Class 1 (1 W) for GSM1800
- Control via AT commands (Hayes 3GPP TS 27.007 and 27.005)
- SIM Application Toolkit (release 99)
- Supply voltage range: 3.3 ... 4.2V
- Power consumption:
 - Sleep mode <5mA
 - Power down 50 μ A
 - Average Supply Current < 700mA
- Temperature range
 - Normal Operation: -20°C to +65°C
 - Restricted Operation: -30°C to +75°C
 - Storage: -40°C to +85°C
- Dimensions: 30.0x30.0x2.5mm

Approvals:

- RoHS

Specification for voice:

- Triple-rate codec for HR, FR and EFR
- GSM & 3GPP: Adaptive multi-rate AMR
- DTMF supported

Specification for HSDPA data:

- HSDPA: max. 3.6 Mbps (DL),
- HSDPA Category 6 supported
- Compressed mode according to 3GPP TS25.212

Specification for UMTS data:

- UMTS: Max. 384 kbps (DL),
Max. 384 kbps (UL)

Specification for EDGE data:

- EDGE class 12: Max. 237 kbps (DL),
Max. 118 kbps (UL)
- Mobile station class B
- Coding scheme MCS 1-9

Specification for GPRS data:

- GPRS class 12: Max. 85.6 kbps (DL),
Max. 42.8 kbps (UL)
- Mobile station class B
- Full PBCCH support
- Coding schemes CS 1-4

Specification for CSD data:

- GSM data rate 14.4 kbps, V.110
- UMTS data rate 57.6 kbps, V.120
- RLP (Non-transparent mode)

Specification for SMS:

- Point-to-point MO and MT
- SMS cell broadcast
- Text and PDU mode
- MMS

Special features:

- Improved power-saving modes
- NDIS/USB driver for Microsoft Windows2000/XP/Vista32/64, Windows7
- RIL/NDIS/USB driver for devices based on Windows Mobile5.0 and its Successor
- USB driver for Linux2.4.x, Linux2.6.x
- Customer IMEI as variant
- Firmware update via USB
- PC_SUITE Auto-installation

Interfaces:

- 116-pin LGA connector
- Power supply
- Audio: 2 x analog
- USB 2.0 high speed
- USIM/SIM card interface 3 V, 1.8 V
- UART
- PCM
- GPIOs