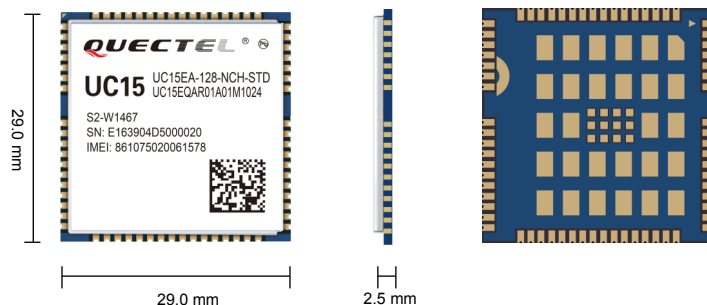


Quectel UC15

UMTS/HSDPA Module



General Features

Frequency Bands	UC15-E 900/2100MHz@UMTS 900/1800MHz@GSM
	UC15-A 850/1900MHz@UMTS 850/900/1800/1900MHz@GSM
	UC15-T 850/2100MHz@UMTS 850/900/1800/1900MHz@GSM
HSDPA	Release 5 (category 6)
EDGE	Downlink only
GPRS	Multi-slot Class 12
UMTS	Release 99/5
GSM	Release 99/4
Supply Voltage Range	3.3V ~ 4.3V, 3.8V typ.
Operation Temperature	-40 °C ~ +85 °C
Dimensions	29.0mm×29.0mm×2.5mm
Weight	Approx. 4.3g
Control via AT commands	3GPP TS27.007, 27.005 and other enhanced AT Commands

Specifications

SMS	Point-to-point MO and MT SMS Cell Broadcast Text and PDU Mode
DATA	HSDPA Max.3.6Mbps (DL)
	UMTS Max.384Kbps (DL)/Max.384Kbps (UL)
	EDGE Max.236.8Kbps (DL)
	GPRS Max.85.6Kbps (DL)/Max.85.6Kbps (UL)
	CSD GSM: 14.4 Kbps (DL)/14.4 Kbps (UL) WCDMA: 64 Kbps (DL)/64 Kbps (UL)
Voice	Speech Codec Modes HR, FR, EFR, AMR, AMR-WB
	Echo Arithmetic Echo Cancellation Noise Reduction
Protocols	TCP/UDP/PPP/FTP/HTTP/SMTP/MMS/SSL/ PING/NITZ/NTP/HTTPS/SMTPS

Special Features

Drivers	USB Serial Windows XP, Windows Vista, Windows 7, Windows 8, Windows CE5.0/ 6.0/7.0, Windows Mobile 6.1/6.5*, Linux 2.6 or later, Android 2.3 or later
	RIL Windows CE6.0*, Windows Mobile 6.1/6.5*, Android 2.3/4.0
	MUX Linux 2.6 or later, Android 2.3 or later
eCall	Accident, Emergency Services
Firmware Update	Firmware Update via USB and UART Interface
QuecFile	File System Access and Management
FOTA	QuecFOTA, DFOTA
QuecLocator	

Electrical Characteristics

Output Power	Class 3 (24dBm +1/-3dB) for UMTS bands Class 4 (33dBm ±2dB) for GSM 850/900MHz Class 1 (30dBm ±2dB) for GSM 1800/1900MHz
Consumption	65µA@Power off 1.8mA@GSM Sleep,DRX=9 1.7mA@UMTS Sleep,DRX=9 260mA@GSM voice, max power 480mA@UMTS voice, max power 480mA@GPRS data, max power 475mA@HSDPA, max power
Sensitivity	-110dBm@UMTS Bands -108.5dBm@GSM 900MHz -108.5dBm@GSM 1800MHz

Interfaces

USB	2.0 High Speed
Audio Analog	2 Analog Input and Output Channels (Optional)
Audio Digital	Digital Audio through PCM Interface (Optional)
UART	1×Full Functions
USIM	1.8V/ 3V
ADC	×2, 12bits
NETLIGHT	Indication for network activity status
STATUS	Indication for Power On and Off Status

Certification

Approval	CE/GCF/IC/FCC/PTCRB/NBTC/AT&T/Rogers/ NCC/OFCA/RCM
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* Under development