

M30

Quad Band GSM/GPRS Module

QUECTEL
Wireless makes smarter



Quad Band



GPRS Multi-slot Class 12



Extended Temperature
Range -45 °C to +85 °C



100-pin B2B connector



PCM



Embedded TCP/IP and
HTTP Protocols



Embedded FTP and
SMTP Client



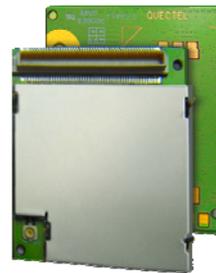
Optional with SIM
Holder and SIM IC



Serial Port
Multiplexer (GSM0710)



Quectel Enhanced AT
Commands



The M30 is a complete Quad-band GSM/GPRS solution in a B2B connector type which can be embedded in customer application, offering the highest reliability and robustness.

Featuring an industry-standard interface, the M30 delivers GSM/GPRS 850/900/1800/1900MHz performance for voice, SMS, data, and fax with extremely low power consumption. With a size configuration of 40mm x 32.2mm x 4mm (excluding shielding pins), M30 can fit into almost all the M2M applications including VTS, Smart Metering, Wireless POS, Security, etc.

- Quad-band GSM/GPRS module with a size of 40mmx32.2mmx4mm
- 100-pin B2B connector suits for customer application
- 4 soldering pins for easy fixing in host PCB
- Embedded powerful Internet service protocols
- Based on mature and field-proven platform

M30

Quad Band GSM/GPRS Module

General Features

Quad-Band	850/900/1800/1900MHz
GPRS Multi-slot Class	Class 12/10/8
GPRS Mobile Station	Class B
Compliant to GSM Phase 2/2+	Class 4 (2W@850/900 MHz) Class 1 (1W@1800/1900MHz)
Supply Voltage Range	3.4~4.5 V 4.0V nominal
Low Power Consumption	1.1mA @ DRX=5 0.7mA @ DRX=9
Operation Temperature	-45 °C to +85 °C
Dimensions	40mm × 32.2mm × 4mm (excluding shielding pins)
Weight	Approx 7g
Control via AT commands (GSM 07.07, 07.05 and other enhanced AT Commands)	
SIM Application Toolkit	
Mux Driver	

Specifications for Fax

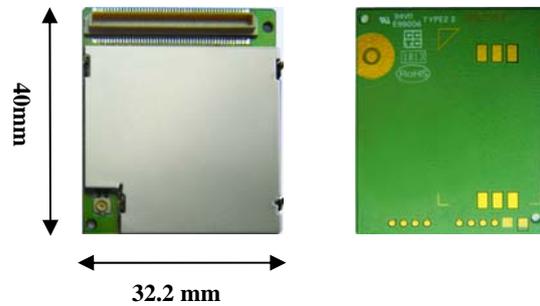
Group 3, Class 1 & Class 2

Specifications for Data

GPRS Class 12	max. 85.6 kbps (uplink & downlink)
PBCCH Support	
Coding Schemes	CS 1, 2, 3, 4
CSD	up to 14.4 kbps
USSD	
Non Transparent Mode	
Protocols	PPP TCP/UDP HTTP FTP MMS SMTP

Specifications for SMS via GSM / GPRS

Point-to-point MO and MT
SMS Cell Broadcast
Text and PDU Mode



Specifications for Voice

Speech Codec Modes	Half Rate (HR) Full Rate (FR) Enhanced Full Rate (EFR) AMR Half Rate AMR Full Rate
Echo Arithmetic	Echo Cancellation Echo Suppression Noise Reduction

Hands-free Operation

Interfaces

100-pin B2B Connector	
Power Supply	
External SIM	3V/1.8V
Embedded SIM IC	(Optional)
Embedded SIM Holder	(Optional)
RTC Backup	
Analog Audio Interfaces	Two channels
PCM Interface	
SPI	(Optional)
I²C	(Optional)
Serial Ports	Two
Antenna Connector and Solder Pad	
Charger Interface	(Optional)

Contact Us

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