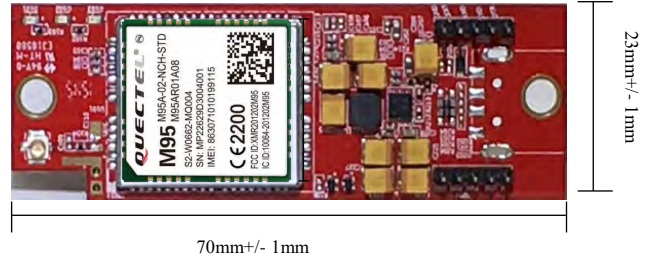


Pegasus Wireless Products



PWP-GW-G95

**Quad-band Gateway Modem
for GSM/GPRS High-speed Wireless
Connectivity**



General Features

Quad-band	850/900/1800/1900MHz
GPRS Multi-slot Class	12, 1~12 configurable
GPRS Mobile Station	Class B
Compliant to GSM	Class 4
Phase 2/2+	(2W @ 850/ 900MHz) Class 1 (1W @ 1800/1900MHz)
Supply Voltage Range	3.3~4.6V 4.0V nominal
Low Power	1.3mA @ DRX=5
Consumption	1.2mA @ DRX=9
Operation Temperature	-40 °C to +85 °C
Dimensions	70*23*5.7mm
Weight	Approx. 15g
Control via AT commands	GSM 07.07, 07.05 and other enhanced AT Commands

Specifications (Base on Quectel MG95 spec.)

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/FTP/HTTP/SMTP/MUX

Specifications for SMS via GSM/GPRS

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



Communication ports

UART 1.8 volt UART Drive System
Requires Level Shifter on Control
Board if 3.0 volt system.

Interfaces

SIM/ USIM	3V/ 1.8V
UART	2 Interfaces
RTC Backup	
Antenna Pad	

Quectel MG95 Module Certification

CE , FCC , GCF , PTCRB , NCC , ANATEL , IC , ICASA , UCRF , A-Tick

PWP-GW-G95 can be submitted for approval for PTCRB

Built-in unique QuecFOTATM technology allows M95 to update the firmware remotely. Additional features such as integrated TCP/IP protocol stack, serial multiplexer and enhanced AT commands guarantee fast and reliable transmission of data, voice, SMS via GSM/ GPRS network and extend the functionality of the application without adding cost.





PWP-GW-G95

Quad-band Gateway Modem for GSM/GPRS High-speed Wireless Connectivity

Recommended GSM Antenna

<u>Specification</u>	<u>Requirements</u>
Frequency Range	GSM Dual-band: 850/900MHz : 1800/1900MHz
VSWR	<2:1 recommended, <3.1 acceptable
Gain (dBi)	1 Typical
Max Input Power (W)	50
Input Impedance (Ohms)	50
Polarization Type	Vertical

Recommended Antenna part Number: PWP-GSM-PC-300 or PWP-WCDMA-3R042A



SIM Connectivity Service: PWP-Standard-Cards & e-SIM

- No Roaming Charges
- 300+ Carriers World Wide for always local connection
- Text and Data Plans
- Usage Data Reporting
- Competitive rate plans
- Data Pooling Across Devices
- Complete SIM Management Tools

