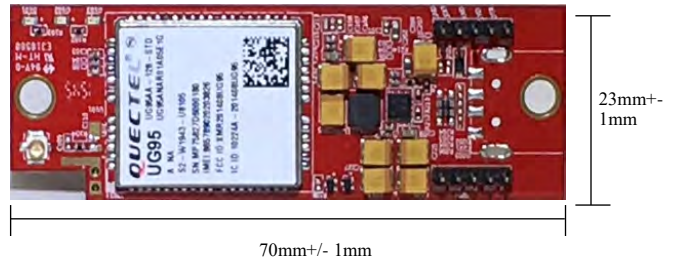


# Pegasus Wireless Products



## PWP-GW-W95-x

**UART/USB Gateway Modem for UMTS/HSPA High-speed Wireless Connectivity**



### General Features

<b>Frequency Bands</b>	<b>PWP-GW-W95-E</b> 900/2100MHz@UMTS 900/1800MHz@GSM
	<b>PWP-GW-W95-A</b> 850/1900MHz@UMTS 3G only
<b>HSUPA</b>	Release 7(category 6)
<b>HSDPA</b>	Release 7(category 8)
<b>EDGE</b>	Downlink only
<b>GPRS</b>	Multi-slot Class 12
<b>UMTS</b>	Release 99/7
<b>GSM</b>	Release 99/4
<b>Supply Voltage Range</b>	USB 5.0v typ.
<b>Operation Temperature</b>	-40 °C ~ +85°C
<b>Dimensions</b>	70*23*5.7mm
<b>Weight</b>	Approx. 15g
<b>Control via AT commands</b>	3GPP TS27.007, 27.005 and other enhanced AT Commands

### Electrical Characteristics

<b>Output Power</b>	Class 3 (24dBm +1/-3dB) for UMTS bands Class 4 (33dBm ±2dB) for GSM 850/900 Class 1 (30dBm ±2dB) for GSM 1800/1900
<b>Consumption</b>	0.96mA@GSM sleep, DRX=9 1.15mA@UMTS sleep, DRX=9 212mA@GSM voice, max power 500mA@UMTS voice, max power 420mA@GPRS data, max power 480mA@HSDPA, max power 490mA@HSUPA, max power
<b>Sensitivity</b>	-110dBm@UMTS 900/2100 -110.5dBm@UMTS 850/1900 -110.5dBm@DCS 1800 -109.5dBm@EGSM 900

\*Module consumption and sensitivity will be effected by Antenna performance.

### Specifications (Base on Quotec UG95 spec.)

<b>SMS</b>	Point-to-point MO and MT SMS Cell Broadcast Text and PDU Mode
<b>HSUPA</b>	Max.5.76Mbps
<b>HSDPA</b>	Max.7.2Mbps
<b>UMTS</b>	Max.384Kbps (DL)/Max.384Kbps (UL)
<b>EDGE</b>	Max.236.8Kbps (DL)
<b>GPRS</b>	Max.85.6Kbps (DL)/Max.85.6Kbps (UL)
<b>CSD</b>	GSM: 14.4 Kbps (DL)/14.4 Kbps (UL) WCDMA: 64 Kbps (DL)/64 Kbps (UL)
<b>Protocols</b>	TCP/UDP/PPP/MMS/HTTP/HTTPS/SMTP/ SMTPS/FTP*/NTP/NITZ/PING/SSL*

### Interfaces

<b>USB</b>	2.0 High Speed/ USB-A MALE
<b>UART PORT Voltage</b>	1.8V
<b>SIM</b>	1.8V/3V
<b>NETLIGHT LED</b>	Indication for Network registration Status
<b>STATUS LED</b>	Indication for UG95 Power On /Off Status
<b>Power LED</b>	Indication for USB Power On /OFF
<b>Antenna Interface</b>	FPC WCDMA u.FL Connector

### Quotec UG95 Certification

<b>Approval</b>	CE/GCF/FCC/IC/PTCRB Rogers AT&T
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### Communication ports



<b>R205.R203 Mounted</b>	<b>U95 USB Serial Driver</b> Windows XP/Server 2003 Windows Vista/7/8/8.1 Linux 3.x.x Linux 2.6.x Android 2.3/4.0/ 4.2 Win CE 5.0(2.1) WinCE 6.0 (2.1)
	<b>CP2102</b> Win CE 5.0(2.1) WinCE 6.0 (2.1)
	<b>UART</b> 1.8 volt UART Drive System Requires Level Shifter on Control Board if 3.0 volt system.





## **PWP-GW-W95-x**

**UART/USB Gateway Modem for UMTS/HSPA High-speed Wireless Connectivity**

### Recommended GSM Antenna

<u>Specification</u>	Requirements
Frequency Range	UG95-A: UMTS Dual-band: 850/1900MHz UG95-E: GSM Dual Band: 900/1800MHz UMTS Dual-band: 900/2100MHz
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 & eSimss

- 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

