

Cellular Router

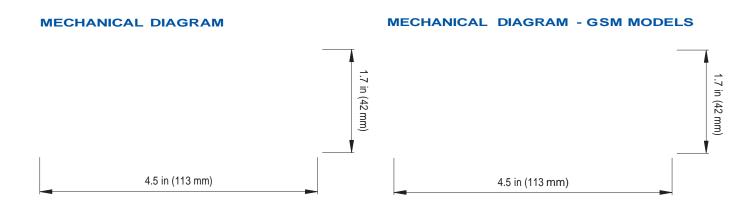
Modem - The GSM/GPRS Modem-RS232 is built with Quad Band

SIM-1934-X Series

PRODUCT FEATURES

- GPRS/GSM cellular networks in one SKU
- Up to 115Kbps upload and 14.4Kpbs download speeds
- Industrial design wide operating temperature (SIM-1934: -15 to +60 °C; RT3G-3xx: -30 to +80°C)• GPS supported
- RS232
- Industrial Chemical Mix

The GSM/GPRS Modem-RS232 is built with quad band GSM/GPRS engine-SIM900 and works with frequencies 850/900/1800/19.0 MHz's. The modem is built with RS232 interface which allows it to be connected to a PC as well as a micro controller with RS232 chip (Max 232). The baud rate is configurable from 9600-115200 through AT command. The GSM/GPRS modem has a internal TCP/IP stack to enable you to connect with internet GPRS. It is suitable for SMS voice as well as data transfer application in M2M interface. SIM9 is a quad band modem capable of operating in 850, 900, 1800, 1900 MHz bands and is apt for worldwide compliance.



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Cellular Router

| | | SIM-1934 | | | | | | |
|--|--------------------------------|----------|----------------|---|---|--------------------|----------------------|--|
| INTERFACES | | | | FEATURES | | | | |
| Standard | 40/400 Mbs - 110D | | | WiFi Specifications | None | 11 Mbps | 95 dDm | |
| Ethernet | 10/100 Mbps USB | | | | | 54 Mbps | -85 dBm -70 dBm | |
| | USB Type A host | | | RX Sensitivity | None | MSC7 | -66 dBm | |
| Binary I/O | 1 input / 1 output | | | | 0.014 | MSC7 11 Mbps 54 | -62 dBm | |
| SIM 1 | SIM card | | | | GSM | Mbps | 19 dBm 16 dBm | |
| SIM 2 | None Dual Optio | | | TX Output Power | | (HT20) | 15 dBm | |
| Expansion Port Options | | | | | | (HT20) | 15 dBm | |
| | Ethernet 10/100 Mbps RS-232 | | | Security Protocols Authentication | WAP-PSK, W | AP2-PSK | | |
| | RS-422/485 | | | | TCIP, AES | | | |
| | | | | NETWORKING | | | | |
| SMA – 50 Ohms | | | | DHCP – automatic IP addressing in LAN network | | | | |
| 3G: 2 dBi, penta band, right angle dipole (2) | | | | NAT - IP address and ports translation between inside/outside network | | | | |
| WiFi: 1.8 dBi right angle dipole (1) | | | | Firewall – filtering of addresses, ports, protocols | | | | |
| TECHNOLOGYBANDS | | | | VRRP – virtual backup router function | | | | |
| HSPA+/UMNT - None | | | | DynDNS client - access to the router with a dynamic IP address | | | | |
| EGPRS 850/900/1800/1900 MHz | | | | VLAN 802.11Q - virtual LAN | | | | |
| CDMA None | | | | QoS – quality of service | | | | |
| POWER | | | | Dial-in – Communicate via CSD call | | | | |
| Source | 10 – 30 VDC | | | PPPoE Bridge – PPP frames encapsulation inside ETH frames | | | | |
| Course | 300 mW receive mode | | | VPN TUNNELING | | | | |
| | | | | None | | | | |
| | | | | CONFIGURATION AND DIAGNOSTICS | | | | |
| Consumption Up to 3.5 W (GPRS transmission) Up to 5.5 W (UMTS/HSDPA transmission) | | | | HTTP server – configuration | | | | |
| | | | | Telnet - none | | | | |
| | | | | SNMP – router diagnostics, communication with I/O and M-Bus | | | | |
| Dimensions 1.7 x 3.0 x 4.5 in (42 x 76 x 113 mm), 35mm DIN rail | | | | Cellular state signalization by LED | | | | |
| Enclosure Metal Weight | | | | On-line info on cellular signal status (level, cell, neighbors) | | | | |
| 150g ENVIRONMENTAL | | | | SMS info – power on, cellular connection or disconnection | | | | |
| Operating Tempera | | | | SMS control – on/off | | | tc. | |
| RT3G-3xx-W | -15 to +60°C | | | Transferred data counting, one more APN as backup | | | | |
| RT3G-3xx | -30 to +60°C | | | | | | a configuration prof | |
| Storage Temperature -40 to +85°C | | | | SSH – encrypted configuration and access to the file system | | | | |
| | | | | ADDITIONAL FUNCTIONS | | | | |
| | | | | Linux based: program your own applications | | | | |
| | | | | IP client, Point to Point | | | | |
| | | | | | SMS communication – AT commands on RS232. | | | |
| 4.5 in (113 mm) | | | | | | | | |
| ► | | | | AM memory inside – router statistic saved into memory | | | | |
| | | | | APPROVALS / CERTIFICATIONS | | | | |
| | | | | | FCC Part 15 | | | |
| | | | | Certifications | AT&T, T-Mol | oile, | | |
| | | | ω | CE | None | D | | |
| | | | .0 ii | Emission | EN 55022/ | | | |
| | | | 3.0 in (76 mm) | Immunity | | 2 immunity | | |
| | | | '6 n | Safety | EN 60950 | | | |
| | | | = | Isolation | EN 60747 is | solation | | |

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