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SAN TELEQUIP

3G Dual SIM Cellular WiFi Router, Model GSF 4364

GSF 4364 is a Dual SIM cellular terminal device that provides data transfer function by DUAL SIM and WIFI network

It uses high-powered industrial 32-bits CPU and embedded real time operating system. It supports RS232 (or RS485/RS422) Ethernet and WiFi port that can conveniently and transparently connect one device to a cellular network, allowing you to connect to your existing serial and Ethernet devices

It has been widely used on M2M fields, such as intelligent transportation, smart grid, industrial automation, telemetry, finance, POS, water supply, environment protection, post, weather, and so on
Support Modbus RTU to Modbus TCP Conversion.

Design for Industrial Application

- Support low-consumption mode, including sleep mode, scheduled online/offline mode, scheduled power-on/power-off mode (optional)
- Support hardware and software WDT
- Support auto recovery mechanism, including online detect, auto redial when offline to make router always online
- Support Intelligent mode, enter into communication state automatically when powered ON
- Convenient configuration and maintenance interface through WEB or CLI
- Support VPN client (PPTP, L2TP, OPENVPN, IPSEC and GRE) (only for VPN version)
- Support VPN server (PPTP, L2TP, OPENVPN, IPSEC and GRE) (only for VPN version)
- Support local and remote firmware upgrade, import and export configure file.
- Support master card and smart card double link switching function
- Support NTP, RTC embedded
- Support multiple WAN access methods, including static IP, DHCP, L2TP, PPTP, PPPOE.
- Support double link backup between DUAL SIM WIFI and WAN (PPPOE, ADSL) (optional)
- Support multiple DDNS provider service
- Support MAC Address clone, PPPoE Server

- Support multi online trigger ways, including SMS, ring and data. Support link disconnection when timeout
- Support APN/VPDN
- Support DHCP server and client, firewall, NAT, DMZ host, URL block, QoS, ttraff, statistics, real time link speed statistics etc
- Full protocol support, such as TCP/IP, UDP, ICMP, SMTP, HTTP, POP3, OICQ, TELNET, FTP, SNMP, SSHD, etc. Support Modbus RTU to Modbus TCP Conversion.
- Schedule Reboot, Schedule Online and Offline etc

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Specification
Cellular Specification

Cellular Module   : Industrial cellular module
Standard and Band   : UMTS/WCDMA/HSDPA/HSUPA/HSPA+ 850/1900/2100MHz,
                       850/900/1900/2100MHz(optional)
                       GPRS/EDGE CLASS 12
Bandwidth   : DC-HSPA+: Download speed 42Mbps, Upload speed 5.76Mbps
                       HSPA+: Download speed 21Mbps, Upload speed 5.76Mbps
                       HSDPA: Download speed 7.2Mbps, HSUPA: Upload speed 5.76Mbps
                       UMTS: 384Kbps
TX power   : <27dBm
RX sensitivity   : <-109dBm

WIFI Specification
Standard   : IEEE802.11b/g/n
Bandwidth IEEE802.11b/g : 54Mbps (max)
IEEE802.11n   : 150Mbps (max)
Security   : WEP, WPA, WPA2, etc. WPS (optional)
TX power   : 20 dBm (11n), 24dBm (11g), 26dBm (11g)
RX sensitivity   : <-72dBm @ 54Mpbs

Hardware System
CPU   : Industrial 32bits CPU
FLASH   : 8MB (Extendable to 64MB)
SDRAM   : 64MB

Interface type
Ethernet WAN   : 1 of 10/100 Mbps Ethernet port (RJ45)
                : Auto MDI/MDIX, 1.5KV magnetic isolation protection
Ethernet LAN   : 4 * 10/100 Mbps Ethernet ports(RJ45), auto MDI/MDIX, 1.5KV magnetic
                  Isolation protection
Serial   : 1 of RS232 (or RS485/RS422) port, 15KV ESD protection
Data bits   : 5, 6, 7, 8
Stop bits   : 1, 1.5 (optional), 2
Parity   : none, even, odd, (space, mark) (optional)
Baud rate   : 2400 to 115200 bps

Indicator   : Power, System, Online, Link/ACT, Alarm, Signal Strength
Antenna   : Cellular:2 Standard SMA female interface, 50 ohm, lighting protection
                  (optional)
                : WIFI - Standard SMA male interface, 50 ohm, lighting protection (optional)
SIM/UIM   : Standard 3V/1.8V user card interface, 15KV ESD protection
Reset   : Restore the router to its original factory default settings

Power supply

Standard Power	: DC 12V/1.5A	
Consumption	: Standby	272 to 295mA @12VDC
	: Communication	283 to 360mA @12VDC
	: Schedule Shutdown	2.57 to 4.2mA @12DVC

Physical Characteristics

Housing	: Iron,
Ingress Protection I	: IP30
Dimensions	: 207 x135 x 28 mm
Weight	: 440g

Environmental Limits

Operating Temperature	: -35 to +75°C
Storage Temperature	: -40 to +85°C
Operating Humidity	: 95 % rh non condensing

Ordering Code   : Model GSF 4364 XXX

GSF 4364	: Dual SIM 3G Cellular Router with 1 WAN, 4 LAN, 1 Serial & 1 WiFi port
XXX	: 232 or 485 for Serial port