

SECURE AND PERMANENT IP OR SERIAL LINK OVER GSM



The IPL-G12 router connects IP or RS232-RS485 devices to the GSM network with a high level of security.

The connexion can be established either through the GPRS service or the GSM-data service.

• if the GPRS service is used, the IPL-G12 provides Internet connectivity : The IPL-G12 router establishes a secure IPSEC or TLS or PPTP tunnel with another end-point (a router, a PC, a server) across the GSM and the Internet.

The connection is permanent, secure and transparent :

Due to the VPN, end-points are authenticated and data are encrypted. Moreover, any device of each end-point can connect to any device of the other end-point.

The GSM-GPRS service provides both the vast geographical coverage of the GSM network and the high bandwidth of the GPRS-EDGE service.

• if the GSM-data service is used, the IPL-G12 establishes a dial-up connection with another end-point connected to the GSM or the PSTN or the ISDN network.

Key features

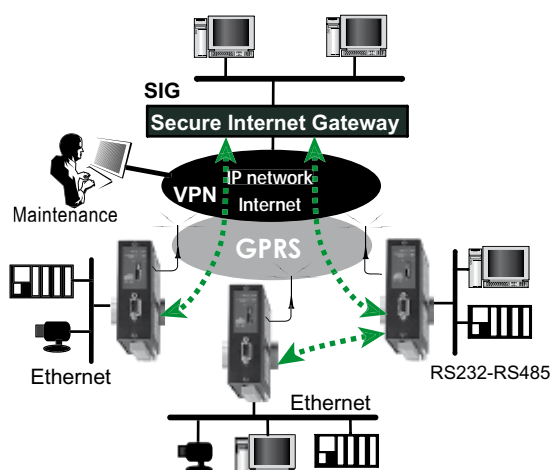
- Internet connectivity with the GPRS service
- High bandwidth
- Secure IPSec or TLS or PPTP VPN
- RAS function
- Serial gateway built-in
- GSM-data mode
- Html configuration

Applications

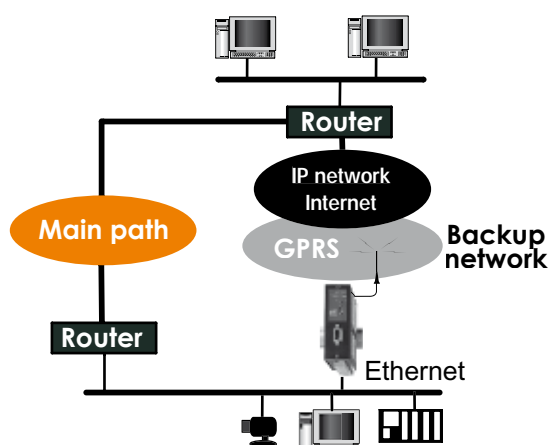
- Remote control and telemetry : Environmental applications, urban installations, transport networks, etc
- Mobile systems

IPL-G12

GSM-GPRS-EDGE industrial router



Permanent and secure connection



Main connection backup

General characteristics

Dimensions (HxWxD)	130 x 38 x 110 mm 5.11x1.49x4.33 in.
Installation	DIN rail 35 mm
Protection class	IP20
Power	<ul style="list-style-type: none"> 9 to 30 VDC / 200 mA Reverse polarity protection
EMC immunity	<ul style="list-style-type: none"> ESD : EN61000-4-2 : 6 KV contact discharge RF field : EN61000-4-3 : 10V/m < 2 GHz Fast transient : EN61000-4-4 Surge V. : EN61000-4-5 : 4KV line / earth
Safety	EN 60950 & UL1950
RoHS	2002/95/CE european union directive
Humidity	5 to 95 % RH non condensing
Operating T°	-20°C/+60°C 95%

GSM-GPRS-EDGE

RF	850/900/1800/1900 MHz
RF power	<ul style="list-style-type: none"> EGSM850 or EGSM900: class 4 (2 W) GSM1800 or GSM1900: class 1 ((1 W)
Antenna	FME connector
EDGE-GPRS	<ul style="list-style-type: none"> 85,6 Kb/s downlink - 21,4 Kb/s uplink Multislot class 10
GPRS	<ul style="list-style-type: none"> Multislot class 12
GSM data	<ul style="list-style-type: none"> 9600 b/s PPP connection dial-in or dial-out

IP Router/ IP@ / Management / Ethernet

IP router	<ul style="list-style-type: none"> Static routes RIP V2 or OSPF
DNAT	<ul style="list-style-type: none"> Destination IP address translation
IP @	<ul style="list-style-type: none"> WAN : DHCP client or fixed IP @ LAN : DHCP client ou server or fixed IP@
DNS	<ul style="list-style-type: none"> WAN : DYN DNS LAN : DNS relay & DNS server
Management	SNMP V2 standard MIB
Configuration	Html server & DIP switches
Ethernet	<ul style="list-style-type: none"> 10/100 - Full/half - MDI /MDI-X auto sensing

Remote access server (RAS)

Users	<ul style="list-style-type: none"> 25 users list with Login + Password
VPN	<ul style="list-style-type: none"> PPTP - L2TP/IPSEC - TLS (OPEN VPN)
M2Me	<ul style="list-style-type: none"> M2Me_Secure VPN software compatible

Security functions

VPN	<ul style="list-style-type: none"> IPSEC, TLS-SSL, L2TP / IPSEC Preshared key / X509 Certificates Encryption : 3DES & AES 128-192-256 Authentication : MD5 & SHA-1 16 VPN tunnels - 50 rules
Firewall	<ul style="list-style-type: none"> Stateful packet inspection Source and destination IP@ & ports filters
Log	<ul style="list-style-type: none"> Date and time stamp Events : Connection, restart, alarm
Alarm input	1 input : Email - SNMP message
Alarm output	<ul style="list-style-type: none"> 1 output Relay 1 A @ 24VDC max. Power - port break - ADSL failure

RS232-RS485 gateway

RS232-RS485	<ul style="list-style-type: none"> Raw client & server- Multicast - Telnet Modbus master & slave 1 serial port RS232-RS485 2 wires 1200 to 115 200 b/s 8 bits parity N/O/E
--------------------	--

Ordering info.

Ordering info.	IPL-G12B
850/900/1800/1900 MHz	•
GSM data - GPRS class 12 - EDGE class 10	•
VPN TLS & IPSEC & PPTP & L2TP/IPSec	•
1 ethernet 10 BT & 1 RS232-RS485	•
IP router and firewall	•
Serial gateway	•
RAS server	•



13, Chemin du Vieux Chêne
38240 Meylan France
Tél : 33 4 76 04 20 00
Fax : 33 4 76 04 20 01

www.etictelcom.com

