

Remote Control 3G Router with VPN

3G Industrial Router VPN PRO - Code 8E4571

- 3G HSPA router for the **industrial market**
- 3G module with high speed data transmission (up to 14.4Kbps DL, 5.76Kbps UL)
- 1 10/100 BT Ethernet port
- **Double SIM** for backup management
- **VPN support:** IPSec/OpenVPN/L2TP/PPTP/GRE
- **WEB configuration**
- **USB port** for configuration and/or local update
- **RS232 and RS485** serial port on DB9
- Gateway **Modbus** support (Modbus RTU/ASCII to Modbus TCP)
- Extended power range 6÷26 VDC
- Automatic Reboot setting
- **Temperature range from -10°C to +60°C**
- **Mounting kit on DIN rail** included
- Ready for Diversity Antenna
- Compact size



DESCRIPTION

3G Industrial Router VPN PRO is a compact size router with integrated **HSUPA 3G module**, especially projected for **industrial applications in the M2M market**.

The HSPA 3G module reaches a **download speed up to 14.4 Mbps** (HSDPA+) and an **upload up to 5.76 Mbps** (HSUPA).

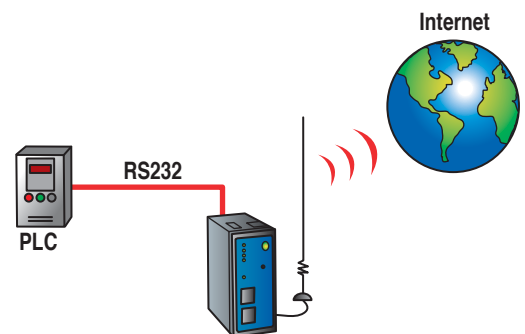
All the functionalities and the components have been optimized for a wide use, from the **extended temperature range** (from -10 to + 60°C) to the power supply (from 6 to 26 VDC) and up to the management of consumption to satisfy the various installation needs in the professional and industrial sector.

The UMTS/GSM antenna is removable on SMA connector so that even different antennas (gain or external) can be used. Furthermore another antenna connector (AUX) allows the activation of the **diversity function** in case of **mobile applications**.

The metal case, the front connectors and the protected SIM holder have been designed to guarantee the maximum flexibility and functionality of a professional and industrial product.

Besides the standard functions like NAT, DHCP server and DynDNS, 3G Industrial Router VPN PRO is a **professional router** that **supports advanced services: firewall, VPN, VRRP, remote connection and OpenVPN**.

It is equipped with the RS485 or RS232 serial port for the connection of PLC with Modbus protocol to server.



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For further information visit our website <http://www.digicom.it>

LED indicators



STATUS Indications

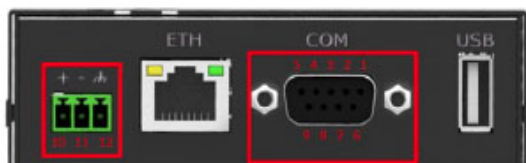
LED	Color	Status	Function
RUN	Green	Blinking	Router ready
		On	Router is enabling
		Off	Router off
USR	Green	On/Blinking	VPN tunnel/PPPoE/DynDNS/GPS is active
		Off	VPN tunnel/PPPoE/DynDNS/GPS is OFF
PPP	Green	Blinking	Null
		On	PPP connection ON
		Off	PPP connection OFF



Signal Indications

RSSI LEDs	Function
None	No signal or SIM missing
1 LED ON	Low signal: 1-10 (maybe it is not sufficient)
2 LED ON	Medium signal: 11-20
3 LED ON	Best signal: 21-31

Serial port PIN OUT



PIN	RS232	RS485 (2 wires)	Direction
1		Data+ (A)	-
2	RXD		Router -> Device
3	TXD		Device <- Router
4			
5	GND		-
6		Data- (B)	-
7	RTS		Device -> Router
8	CTS		Device <- Router
9			

TECHNICAL FEATURES

Module Frequencies

- Standards: GSM/GPRS/EDGE/UMTS/HSPA+/FDD LTE
- GPRS: max. 86 kbps (DL & UL), class 10
- EDGE: max. 236.8 kbps (DL & UL), class 12
- UMTS: max. 384 kbps (DL & UL)
- HSDPA: max. 3.6 Mbps/384 kbps (DL/UL)
- HSPA+: max. 14.4/5.76 Mbps (DL/UL)

Output Power

- HSPA+/HSPA/UMTS: +24dBm (Power Class 3)
- EGSM850 Class 4 (2 W)
- EGSM900 Class 4 (2 W)
- GSM1800 Class 1 (1 W)
- GSM1900 Class 1 (1 W)

Interfaces

- 1 10/100BT LAN port
- Insulation protection 1.5KV
- USB 2.0 port for upgrade only
- Serial port
- Ports number: 1 x RS-232 and 1 x RS-485 EDS protection: ±15KV Parameters : 8E1, 8O1, 8N1, 8N2, 7E2, 7O2, 7N2, 7E1 Baud Rate: 300bps to 230400bps Criteria RS-232: Tx, Rx, RTS, CTS, GND Criteria RS-485: Data+ (A), Data- (B), GND Connector on DB9 Pin Female (see Pin-out)
- Double SIM (3V & 1.8V)

Power

- External power supply 220VAC/12VDC 1A (included)
- Input: from +6 VDC to 26 VDC / 1A min.

Antenna

- 3G/2G omnidirectional Quad-Band antenna (included)
- SMA Main connector
- SMA Aux connector (for diversity)
- Impedance: 50 ohm

- Size: 105 x 100 x 30 mm
- Weight: 300 g
- Operating temperature: from -10°C to +60°C
- CE Mark and Rohs compliant

Note: Preliminary features subject to change