Industrial VPN Router

AirGate 4G

ANATEL · ISO 9001:2015 CERTIFIED COMPANY · CE · RoHS

SECURE REMOTE ACCESS

CONNECTION REDUNDANCY

INDUSTRIAL STRENGTH

FLEXIBILITY FOR ANY PROTOCOL
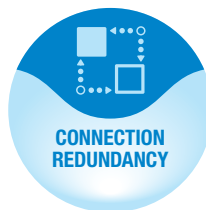
NOVUS presents **AirGate 4G**, an industrial VPN router for cellular networks. Data sending is secure with this new device as it uses encryption protocols and firewall systems most commonly used in IT infrastructures, including automatic fallback for 4G, 3G and 2G cellular networks.

AirGate 4G is CE Mark certified and was developed for industrial environments. It can maintain its high availability performance even in extended operation situations, being suitable equipment to diverse segments such as sanitation, mining, energy, etc. This new router from **NOVUS** also features DIN rail mounting clips and external magnetic antennas, allowing easy installation in the most diverse applications.

Since **AirGate 4G** have dual SIM card for redundancy and automatically fail over when needed, this device can ensure continuous operation. With two Ethernet ports, Wi-Fi connection and RS485 / RS232 interfaces, the product can operate with any communication protocol on either interface and can be managed locally or remotely via web.

www.novusautomation.com/en/airgate4g

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Topology

SECURE REMOTE ACCESS SUPERVISORY SYSTEM

INDUSTRIAL NETWORK EXTENSION VIA VPN

Technical specifications

Cellular Interface	4G LTE: LTE FDD, LTE TDD 3G UMTS: DC-HSDPA, HSUPA, WCDMA 2G GSM: EDGE, GPRS 2 x SMA female antenna connector 2 x SIM (3.0 V and 1.8 V)
Wi-Fi Interface (Optional)	Standards: 802.11 b/g/n, 300 Mbps; 2 x RP-SMA male antenna connector; Support Wi-Fi Access Point and Client modes; Security: WEP, WPA and WPA2 encryption; Encryption: TKIP and CCMP
Ethernet Interface	Standards: IEEE 802.3, IEEE 802.3u; 2 x ports 10/100 Mbps, RJ45 connector; 1 x WAN interface (conFigureble on Web GUI interface); 1.5KV magnetic isolation protection.
Serial Interface	1 x RS232 (3 pin): TX, RX, GND 1 x RS485 (2 pin): D1, D0 Baud Rate: 300 bps to 115.200 bps 15 KV ESD protection
Digital Input and Digital Output	2 x Digital Inputs; 2 x Digital Outputs; Isolation: 3 KVDC or 2 KVrms; Absolute maximum VDC: 36 VCC; Absolute maximum ADC: 100 mA.

LED	1 x SYS | 1 x NET | 1 x USR | 3 x RSSI
Software	Network protocols: DHCP, ICMP, PPPoE, HTTP, HTTPS, DNS, VRRP, NTP VPN: IPSec, GRE, OpenVPN, DMVPN Policy: RIPv1 / RIPv2 / OSPF / BGP (optional) Firewall & Filter: Port forwarding, DMZ, anti-DoS, ACL Serial Port: TCP, UDP Management: Web Interface

Power Supply	Connector: 3-pin 3.5 mm female socket with lock
	Input voltage range: 9 to 48 VDC
	Power consumption:
	  Idle: 100 mA @ 12 V
	  Data Link: 400 mA (peak) @ 12 V

Dimension	106 mm x 106 mm x 40 mm (excluding antenna)
Mounting	DIN rail mounting
Environmental	Operation temperature: -40 to 60 °C (-40 to 140 °F) Storage temperature: -40 a 85 °C (-40 to 185 °F) Operation humidity: 5 to 95 % non-condensing
Housing Metal	300g
Protection	IP30
Certification	CE, Anatel (07661-19-12560), RoHS

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