

GATEWAYS

Selection Guide



USB i485 Converter

AirGate Modbus

DigiGate Profibus

AirGate 3G

Gateway Type	Wired	Wireless	Wired	Wireless
Communication Interfaces	USB and RS485 / RS422	USB, RS485 and IEEE802.15.4	RS485 and Profibus	USB, RS232, RS485, 2 x Ethernet, GPS and 3 G
Isolation	Between USB and RS485 / RS422	Between Profibus and the rest of device	On Ethernet, Digital Inputs and Outputs	On Ethernet, Digital Inputs and Outputs
Protocols	Modbus RTU	Modbus RTU and Novus-Air	Modbus RTU and Profibus DP	Modbus RTU / ASCII, ModbusTCP, Novus Cloud, TCP Client / Server, UDP
Network Topology	Bus	Point-to-point, star and tree	Modbus: Point-to-multipoint Profibus: Bus	Several topologies (See Manual)
Wireless Features		ISM 2.4 GHz, DSSS, OQPSK, 15 channels, Tx Power 20dBm, Sensitivity -96dBm, Line-of-Sight Range 1000 m		GPRS / EDGE: 850 / 900 / 1900 / 2100 MHz, HSPA+: 850 / 900 / 1900 / 2100 MHz, DL / UL 21 / 5.76 Mbps or 2 G
Security Features		AES-CBC-128 Encryption		VPN tunnel (IPSec / OpenVPN / PPTP / L2TP / GRE)
Modes of Operation	Automatic detection by PC	RS485-Master, USB-Master, Multi-Master, RS485-Slave	Modbus-Master and Profibus-Slave	Gateway between Modbus RTU / ASCII and Modbus TCP, VPN Tunnel, 3G Data Logger
Additional Features				GPS, Alarm by SMS, Dual SIMCARD, Memory SD Card, 2 Digital Inputs with Counter, 2 Digital Outputs, RTC
Firmware Upgrade		USB		USB and WEB
Power Supply	5 V by USB Connection	10 ~ 35 Vdc	10 ~ 35 Vdc	9 ~ 60 Vdc
Programmable Functions		Mode of Operation and Communication Settings	Scan Rate and Communication Settings	See Manual
Configuration		USB with DigiConfig	RS485 with DigiConfig	WEB browser
Housing	Injected in ABS	Injected in PA66	Injected in PA66	Metal Box
Dimensions	70 x 60 x 18 mm	99.5 x 114 x 17.5 mm	99.5 x 114 x 22.5 mm	125 x 108 x 45 mm
Operating Range	Temperature 0 to 50 °C Humidity 10 to 90%	Temperature 0 to 70 °C Humidity 80% up to 30 °C	Temperature 0 to 50 °C Humidity 30 to 80%	Temperature -40 to 85 °C Humidity 5 to 95%
Protection Rating	IP20	IP20	IP20	IP20
Electric Protection	Bus overvoltage and ESD	Reverse Polarity	Bus overvoltage and ESD	Bus overvoltage and ESD
Certifications	CE	Anatel, CE, FCC		Anatel, CE, FCC