

## IntegraOne 433 MHz radio modem

IntegraOne radio modems are complete low cost medium power RF solutions for your wireless applications. Thanks to their robustness, high performance and flexible firmware, they can be adapted to a myriad of industrial data transmission systems.

These certified radio modems, operating in the license free 433 MHz ISM band, can be easily integrated into your application, thereby reducing valuable development time and cost.

### Key Benefits and Characteristics

- ETSI certified device
- Embedded S-One Stack with multiple protocol modes
- RS232, RS422 and RS485 standard interface
- ModBus, ProfiBus, JBus and Unitelway compatible
- Low cost solution in the 433 MHz license free ISM band
- IP41 casing with fixed or removable antenna
- Complete radio modem with 6 - 40 V power supply

### Typical Applications

- Industrial Automation
- Telemetry
- Weather stations
- Building Automation
- Science



## Technical specifications

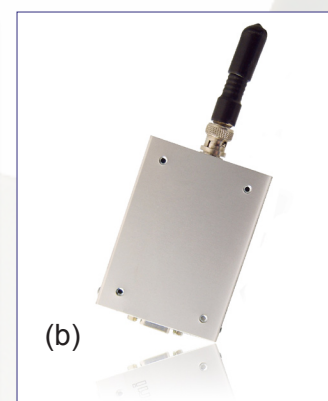
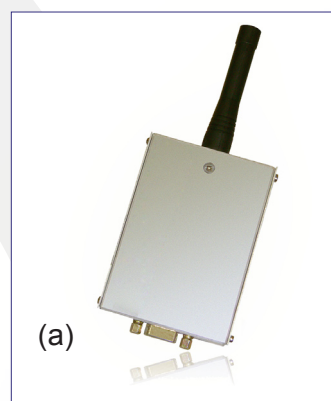
Performance	Range	1000 m
	Output Power (adjustable)	10 mW 10 dBm
	Serial Data Rate	Up to 38.4 Kbps
	Radio Data Rate	Up to 40 Kbps
	Sensitivity (BER < 10 <sup>-3</sup> )	-100 dBm (@ 40 Kbps)
Power Requirements	Power Supply	6 - 40 V
	Modem Consumption @ 12 V	Rx : 20 mA Tx : 40 mA Std-by : 5 µA
Physical Properties	IP41 casing	89 x 64 x 24 mm (without antenna)
	IP65 casing	100 x 82 x 32 mm (without antenna)
	Temperature	-20°C to +60°C
Networking	Frequency	433.05 - 434.79 MHz
	Channels	8 - 10
	Modulation	FSK
	Serial Interface	RS232, RS422, RS485
	Hayes mode	Yes
	Transparent mode	Yes
	ACK mode	Yes
	Addressed mode	Yes
	Client/Server mode	Yes
	Listen before talk	No
	Repeater mode	Yes
	Mesh network	No
	I/O copy	Yes*

\* with external ADAM I/O modules

## Optional features

IntegraOne radio modems are available in:

- (a) IP41 casing with fixed antenna
- (b) IP41 casing with removable antenna



## Contact Information

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