



Radio Transceiver

RXQ3-XXX

Sub 1GHz Smart Radio Modem



General description

The RXQ3-XXX is a low-cost sub 1GHz radio modem with embedded microcontroller and dedicated firmware for transmission of serial data.

By using a UART interface for Transmitting and Receiving data and for issuing configuration command (AT Commands), it is possible for the user to develop systems quickly.

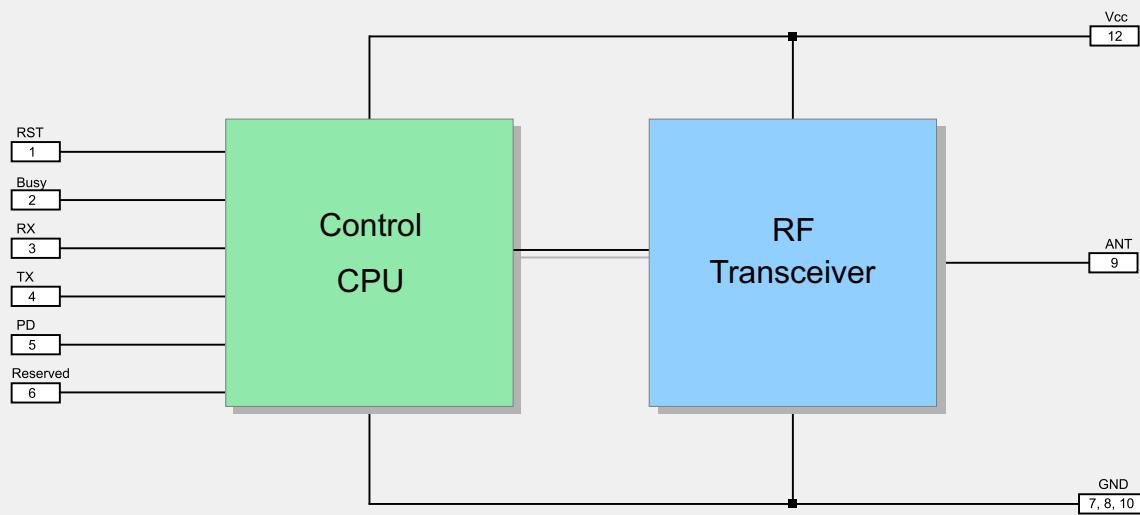
Features

High Reliability
DIL Package

Applications

Wireless alarm and security systems
Home and building automation
AMR - Automatic Meter Reading
Wireless Sensor networks
Industrial monitoring and control

CIRCUIT SCHEMATIC



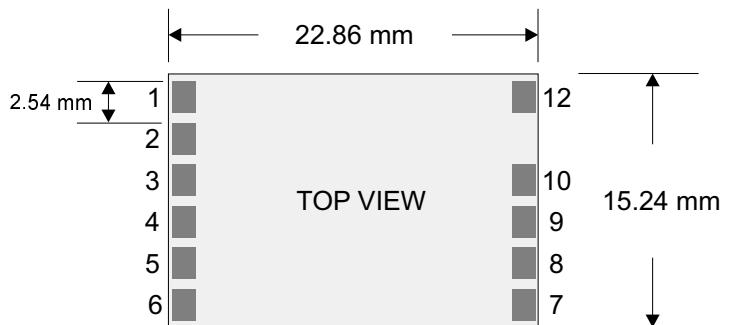
Electrical Characteristics

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _{cc}	Supply Voltage	2.0	3	3.6	VDC
I _s	Supply Current (RX mode / TX mode)		20 / 33		mA
I _s	Supply Current (Power Down mode)		0.3		uA
P _o	RF Output Power into 50		10		dBm
	RF Sensitivity (1.2 Kb/sec Data Rate)		-110		dBm
	Data Rate	1.2		500	Kbit/s
	Wake-Up Time (PD to Active Mode)		100		usec
T _{OP}	Operating Temperature Range	-25		+80	°C

Pin Description

1	RST	Reset
2	Busy	Busy
3	RX	UART Data Input
4	TX	UART Data Output
5	PD	Power Down
6	Reserved	
7	GND	Ground
8	GND	Ground
9	ANT	Antenna
10	GND	Ground
12	V _{cc}	Supply Voltage

Mechanical Dimensions



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Web Site: www.telecontrolli.com

HEAD OFFICE & PLANT

Via Naz. delle Puglie, 177
80026 CASORIA (NA), Italy
Tel: +39 081 7599033
Fax: +39 081 7596494