

LoRa™ transceiver

USB DONGLE

XTR-8LR-USB

P.N. 650201428G

DESCRIZIONE

Ricetrasmittitore half-duplex con tecnica di modulazione LoRa™ in grado di garantire comunicazioni a lunghissima distanza, elevata immunità alle interferenze, elevata sensibilità e ridotti consumi energetici.

XTR-8LR-USB è un radio-modem con interfaccia utente Usb, utilizzato come ricevitore e concentratore dati provenienti dai moduli XTR-8LR10 e XTR-8LR100.

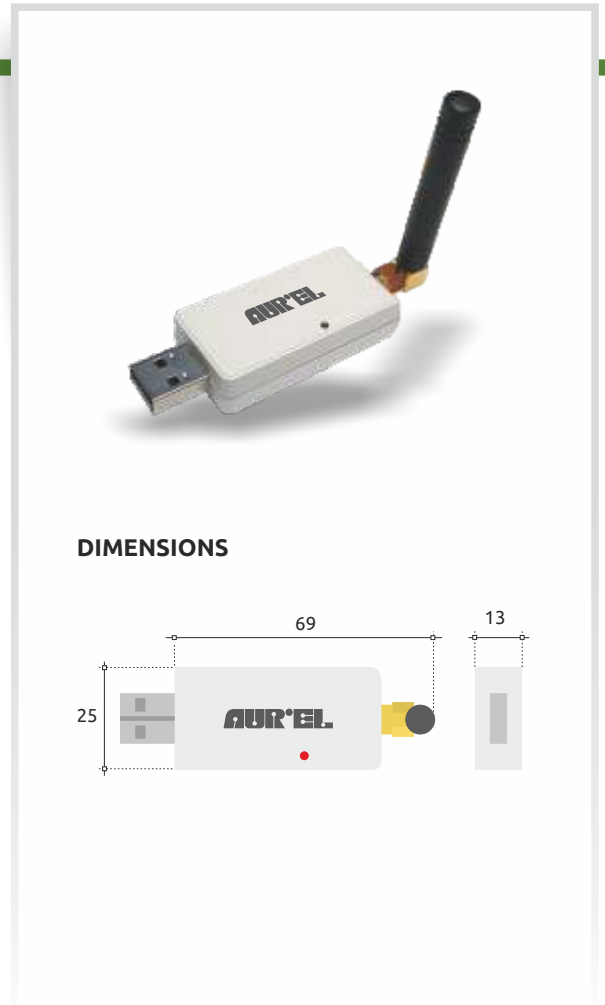
Supporta l'indirizzamento dei pacchetti per comunicazioni punto multi-punto, la funzionalità di command-mode per le impostazioni dei principali parametri radio, offrendo all'utente molteplici soluzioni e flessibilità alle problematiche riscontrabili sul campo.

DESCRIPTION

Half duplex transceiver based on LoRa™ modulation technique providing an ultra long range radio communication, high interference immunity, high sensitivity and very low power consumption.

XTR-8LR-USB is a radio-modem with Usb interface, used as receiver or concentrator for data from XTR-8LR10 and XTR-8LR100 modules.

It can handle addressing data for point-to-multipoint or star networks, main radio parameters might be set up smoothly via command mode procedure, offering the user a variety of solutions and flexibility to the problems encountered in the field.



Information subject to change without notice

TECHNICAL SPECIFICATION

Ta = 25 °C

CHARACTERISTICS	CARATTERISTICHE	MIN	TYP	MAX	UNIT
Power supply	Tensione di alimentazione	4.5	5	5.5	Vdc
Supply Current (RX mode)	Corrente assorbita (RX mode)		20		mA
Supply Current (TX mode @20dBm)	Corrente assorbita (TX mode @20dBm)		135		mA
Modulation type	Tipo di modulazione		LoRa™		
RX sensitivity (BW 125 KHz - SF12)	Sensibilità RX (BW 125 KHz - SF12)		-137		dBm
RX sensitivity (BW 20.8 KHz - SF12)	Sensibilità RX (BW 20.8 KHz - SF12)		-145		dBm
RF output power	Potenza RF			100	mW
Outdoor range	Portata esterna			20	Km
Frequency band	Banda di frequenza	868.0		870.0	MHz
Operating temperature range	Temperatura di lavoro	-20		+70	°C



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