

LoRa™ transceiver

LOW POWER

XTR-8LR10

P.N. 650201415G

DESCRIZIONE

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

Operante nella banda europea 869.4 ÷ 869.65 MHz e 868.0 ÷ 868.6 MHz, assicura Link- budget > 150 dB.

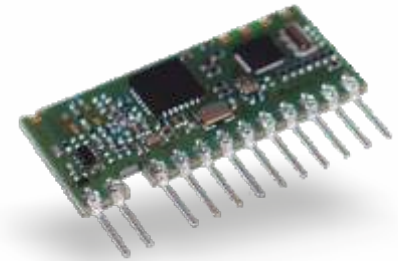
XTR-8LR10 è un radio-modem con interfaccia utente UART, con implementata una tecnica di indirizzamento dei pacchetti che permette comunicazioni punto multi-punto e pay-load max. di 248 byte.

DESCRIPTION

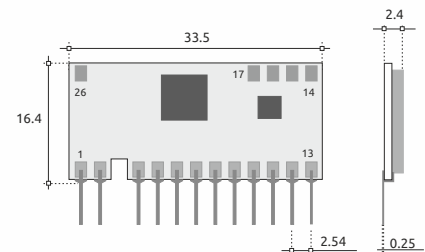
Half-Duplex transceiver for long distance communication with LoRa™ modulation, able to ensure high immunity level against the interferences and a reduced energy consumption.

Working into European bandwidth 869.4 ÷ 869.65 MHz and 868.0 ÷ 868.6 MHz with a link budget > 150 dBm.

XTR-8LR10 is a radio modem with UART interface with an implemented data packet addressing technique that allows a point-multipoint communication and 248 byte of max. payload.



DIMENSIONS



PIN-OUT

- | | |
|-------------|--------------|
| 1) ANTENNA | 14) GND |
| 2) GND | 15) RESET |
| 4) GND | 16) RESERVED |
| 5) +VDD | 17) VDD |
| 6) OUT1 | 26) GND |
| 7) OUT2 | |
| 8) SET A | |
| 9) SET B | |
| 10) RTS | |
| 11) CTS | |
| 12) RX UART | |
| 13) TX UART | |

TECHNICAL SPECIFICATION

Ta = 25 °C

CARATTERISTICHE	CHARACTERISTICS	MIN	TYP	MAX	UNIT
Tensione di alimentazione	Power supply	2.1	3	3.6	Vdc
Corrente assorbita (Stand-by)	Supply Current (Stand-by)			1	µA
Corrente assorbita (RX mode)	Supply Current (RX mode)		17		mA
Corrente assorbita (TX mode @ 14 dbm)	Supply Current (TX mode @ 14 dbm)		30	35	mA
Tipo di Modulazione	Modulation type		LoRa™		
Sensibilità RX (BW 125KHz-SF10-CCR 4/6)	RX sensitivity (BW 125KHz-SF10-CCR 4/6)		-132		dBm
Portata esterna	Outdoor range		8		Km
Banda di frequenza	Frequency band	868		870	MHz
Canalizzazione	Canalization	125		250	KHz
Temperatura di lavoro	Operating temperature range	-20		+70	°C



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF Modules](#) category:

Click to view products by [Aurel](#) manufacturer:

Other Similar products are found below :

[HMC-C009](#) [HMC-C011](#) [nRF24L01P-MODULE-PCB](#) [HMC-C021](#) [HMC-C024](#) [XB9XT-DPRS-721](#) [XBP9B-DMUTB022](#) [nRF24L01P-MODULE-SMA](#) [CMD-KEY2-418-CRE](#) [XM-C92-2P-UA](#) [XB9XT-DPUS-721](#) [V640-A90](#) [HMC-C583](#) [MAAM-008818-TR3000](#) [MTSMC-H5-U](#) [SIMSA868-PRO](#) [SIMSA915C-PRO](#) [SIMSA868C-PRO](#) [SIMSA433C-PRO](#) [SIMSA915-PRO](#) [XBP9B-DMUT-042](#) [HMC-C582](#) [HMC-C022](#) [XBP9B-DPST-041](#) [XBP9B-DMWT-042](#) [SM-MN-00-HF-RC](#) [HMC-C031](#) [MT-02](#) [M1002GB](#) [702-W](#) [SIMSA868C-N-PRO](#) [SIMSA433C-N-PRO](#) [SIMSA915C-N-PRO](#) [ADP-R202-00B](#) [PEPPER WIRELESS C1 USB](#) [S2-10732-Z1T61](#) [S2-107XB-Z2356-Z2352](#) [S2-10672-Z1L85](#) [S2-10686-Z1L1D](#) [S2-10688-Z1L1T](#) [S2-106BA-Z1P20](#) [S2-1060C-Z1F0A](#) [S2-106R4-Z1Q6F-Z1Q6Q](#) [S2-106R4-Z1Q6J-Z1Q6Q](#) [S2-106RB-Z1Q6V-Z1Q6Q](#) [S2-107DR-Z1Y5B](#) [SU60-2230C-PU](#) [RC-TFSK3-868](#) [NANO RFID POE](#) [RFID USB POCKET](#)