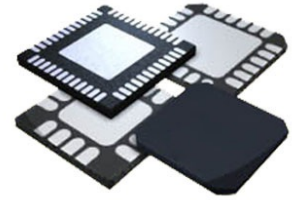



RF Transceiver FSK/GFSK/GMSK/MSK/OOK 28-Pin QFN EP T/R



Images are for reference only

Manufacturer:	Semtech Corporation
Package/Case:	QFN
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

[Inquiry](#)

General Description

The SX1272/73 transceivers feature the LoRa® long range modem that provides ultra-long range spread spectrum communication and high interference immunity whilst minimizing current consumption.

Using Semtech's patented LoRa modulation technique SX1272/73 can achieve a sensitivity of over -137 dBm using a low cost crystal and bill of materials. The high sensitivity combined with the integrated +20 dBm power amplifier yields industry leading link budget making it optimal for any application requiring range or robustness. LoRa also provides significant advantages in both blocking and selectivity over conventional modulation techniques, solving the traditional design compromise between range, interference immunity and energy consumption.

Key Features

LoRa Modem
157 dB maximum link budget
Programmable bit rate up to 300 kbps
High sensitivity: down to -137 dBm
Bullet-proof front end: IIP3 = -12.5 dBm
89 dB blocking immunity
Low RX current of 10 mA, 100 nA register retention
Fully integrated synthesizer with a resolution of 61 Hz
FSK, GFSK, MSK, GMSK, LoRa and OOK modulation
Built-in bit synchronizer for clock recovery
Preamble detection
127 dB Dynamic Range RSSI
Automatic RF Sense and CAD with ultra-fast AFC
Packet engine up to 256 bytes with CRC
Built-in temperature sensor and low battery indicator

Application

Automated Meter Reading
Home and Building Automation
Wireless Alarm and Security Systems
Industrial Monitoring and Control
Long range Irrigation Systems
Packaging
QFN 28
Order Codes
SX1272IMLTRT - Pb-free, Halogen free, RoHS/WEEE compliant product
SX1273IMLTRT- Pb-free, Halogen free, RoHS/WEEE compliant product
SX1272DVK1BAS (868MHz):
Starter Kit
SX1272DVK1CAS (915MHz):
Starter Kit
SX1272RF1BAS (868MHz):
Starter Kit
SX1272RF1CAS (915MHz):
Starter Kit

Recommended For You

SX1250IMLTRT

Semtech Corporation
QFN24

SX1278IMLTRT

Semtech Corporation
QFN28

SX1280IMLTRT

Semtech Corporation
QFN24

SX1262IMLTRT

Semtech Corporation
QFN24

SX1232IMLTRT

Semtech Corporation
QFN24

SX1212IWLTRT

Semtech Corporation
QFN32

SX1261IMLIRT

Semtech Corporation

QFN24

SX1308IMLIRT

Semtech Corporation

QFN64

SX1243IULIRT

Semtech Corporation

DFN8

SX1303IMLIRT

Semtech Corporation

QFN-68

SX1239IMLIRT

Semtech Corporation

QFN24

SX1276IMLIRT

Semtech Corporation

QFN28

SX1302IMLIRT

Semtech Corporation

QFN68

SX1257IWLIRT

Semtech Corporation

QFN32

SX1301IMLIRT

Semtech Corporation

QFN64