

OVERVIEW

The LoRa® Corecell gateway Listen Before Talk and Spectral Scan reference design is a complete indoor and outdoor gateway turnkey solution reference design provided for Europe, U.S., Japan, and China ISM bands. The reference design is based on SX1302 and SX1250.

FEATURES

- 10x power reduction compared to legacy products
- Maximum TX output power (CN490) = +17dBm
- Maximum TX output power (EU868/US915) = +27dBm
- Maximum TX output power (AS923) = +10dBm
- Receive 8 LoRa channels multi-data rates (SF5 – SF12 / 125 simultaneously kHz) + 2 mono-data rate (LoRa 250/500kHz and FSK 50kbps)
- Typical sensitivity level (CN490) :
 - -141dBm at SF12 BW 125kHz
 - -126dBm at SF7 BW 125kHz
 - -109dBm at FSK 50kbps
- Typical sensitivity level (EU868/US915) :
 - -140dBm at SF12 BW 125kHz
 - -125dBm at SF7 BW 125kHz
 - -110dBm at FSK 50kbps
- Typical sensitivity level (AS923) :
 - -141dBm at SF12 BW 125kHz
 - -126dBm at SF7 BW 125kHz
 - -110dBm at FSK 50kbps

ORDER CODES

SX1302CSS490GW1 for China ISM band reference design kit
SX1302CSS868GW1 for Europe ISM band reference design kit
SX1302CSS915GW1 for US ISM band reference design kit
SX1302CSS923GW1 for Japan ISM band reference design kit

PB FREE/ROHS

[Learn More →](#)

BUY NOW



Contact us to design your best solutions.

CONTACT US

INVENTORY

PRODUCT	COUNTRY	DISTRIBUTOR	QTY	BUY
NORTH AMERICA				
SX1302CSS490GW1	Global	DigiKey	5	
SX1302CSS868GW1	Global	Mouser Electronics Inc.	3	
SX1302CSS868GW1	Global	DigiKey	7	
SX1302CSS868GW1	United States	Newark, An Avnet Company	8	
SX1302CSS915GW1	Global	Mouser Electronics Inc.	1	
SX1302CSS915GW1	Global	DigiKey	2	
SX1302CSS915GW1	United States	Newark, An Avnet Company	6	
SX1302CSS923GW1	Global	Mouser Electronics Inc.	1	
SX1302CSS923GW1	Global	DigiKey	2	

Resources

ALLWHITE PAPERS

EBOOKSCUSTOMER STORIESINFOGRAPHICSVIDEOSBLOGPRESS RELEASE

CASE STUDY



VIDEO

Safeguarding Forests: How Dryad's Silvanet...



VIDEO

Part 2: Getting up and running with LoRa...



VIDEO

Part 1: Introduction to LoRa Basics™ Modem-E

Talk With Us Today

Semtech is here to help. When you have questions, our experts have answers.

Sales and Product Information

Restricted Document Portal

Technical Support

CONTACT US



Newsletter

Get the latest on innovations, product launches, customer stories and news of wireless applications in the IoT space.

SUBSCRIBE

Sierra Wireless
LoRa
Products
Technology
Design Resources
Quality
About Semtech

QUICK LINKS
Cross Reference Search
Parametric Search
mySemtech
Blogs
Careers
Contact Us
Security

