

Zigbee Wireless Range Extender

The Zigbee Wireless Range Extender is an easy-to-install, plug-and-play Zigbee USB dongle. It can be used to extend the range of the Enphase Zigbee Network established between the IQ Gateway, IQ System Controller (in grid-forming systems only), and IQ Batteries. Simply insert the Enphase Zigbee Wireless Range Extender dongle into the USB port of a 5 V, 1 A USB charger from either Apple or Samsung, like the ones used for cell phones. The USB charger is not included with the product.



Specifications

SPECIFICATION	NORTH AMERICA	EMEA
SKU	COMMS-24-EXT-01	COMMS-24-EXT-INT-01
PERFORMANCE	NORTH AMERICA	EMEA
Transmit power output (nominal 25°C)	79 mW (19 dBm)	6.3 mW (8 dBm)
RF data rate	250 Kbps	
Receiver sensitivity	-103 dBm	
POWER REQUIREMENTS	NORTH AMERICA	EMEA
Supply voltage	5 V from USB power block	
Transmit current	145 mA	45 mA
Receive current	26 mA	
GENERAL	NORTH AMERICA	EMEA
Frequency band	2.4 GHz ISM	
Dimensions (L × W × H)	2.29 in × 0.80 in × 0.44 in	5.83 cm × 2.03 cm × 1.12 cm
Operating temperature	-40°C to 85°C	
Connector	USB type A	
Antenna	Internal	
REGULATORY APPROVALS	NORTH AMERICA	EMEA
	FCC Part 15.247 (USA) IC (Canada)	CE (EU)

Revision history

REVISION	DATE	DESCRIPTION
DSH-00050-1.0	May 2023	Initial release