LinkLabs

tekmodul GmbH

SPEC SHEET

LoRa 8-Channel Gateway
LL-BST-8

An industrial grade IoT/M2M gateway for use with LoRa™ networks. Capable of supporting thousands of endpoints with 8 simultaneous receive channels.

Provides a long range, cost effective replacement for wide area M2M networks.

Data backhaul is via Ethernet, WiFi, GSM or CDMA. The LL-BST-8 is a turnkey solution for OEMs seeking fast time to market.

Key Features

- **Weatherized Outdoor Enclosure Available**
- **Data Connection Via WiFi, GSM, or Ethernet**
- **868 or 915 MHz**
- **Active Interference Mitigation Algorithm**
- **Adaptive Data Rates**
- **FCC/IC Certified and ETSI/CE Compliant**
- **WALoP READY**

For ordering, or additional questions:
info.link-labs.com/contact
+1 (202) 524-1390

Additional product info:
link-labs.com/symphony-gateway/

Warranty and repair info:
link-labs.com/warranty

Parameter	Typ.	Notes
Power Consumption	10W	RX mode, all channels active + cellular
Sensitivity	-133 dBm	Datarate = 1kbps
In-channel blocking	16 dB	Desired signal 8dB > sensitivity, tonal interferer at channel center
Adjacent channel blocking	64 dB	Desired signal 8dB > sensitivity, tonal interferer at adjacent channel center
IIP3	-39.4 dBm	Max RX gain
Channels	8	125kHz and 500kHz channel BW

Host Computer	Typ.	Notes
CPU	1Ghz dual core	AMD G Series
Memory	2GB DRAM	–
Hard Drive	8GB SSD	–
Power	12V DC	@1A Max
OS	Linux	Debian Wheezy
Data Connections	2x USB Ethernet Cellular (opt) WiFi (opt)	LNA

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I/O CONFIG

LoRa 8-Channel Gateway
LL-BST-8

Model Numbers

Product ID	Frequency (MHz)	MAC Options	Backhaul Options*
LL-BST-8	**-915**	**-NOM** (NoMAC)	**-E** (Ethernet Only)
	-868	**-LRW** (LoRaWAN MAC)	**-W** (Wi-Fi)
	-433	**-SYM** (Symphony)	**-C** (CDMA)
			-G (GSM)

Example: **LL-BST-8-868-LRW-E**
8 channel base station configured for 868 MHz, LoRaWAN with Ethernet backhaul

*Ethernet port is standard on all models

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