

XBEE Gateway



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The LeadSolar XBEE Gateway™ brings intelligence to your PV system by providing network access to the solar array. Both developers and system owners can remotely monitor installations to verify performance or detect system failures via a network connection. Remote monitoring is possible at LeadSolar's website.

🏠 Performance

- Industry standard XBEE communication.
- Accurate to $\pm 2.5\%$ ¹

↻ Versatility

- Ethernet or WiFi Connections
- Supports multiple subarrays
- Supports multiple interconnection points to the grid.

✂️ Simplicity

- Built-in Setup Page
- Pre-loaded LeadSolar Firmware



PV System

Maximum # Microinverters	100
Maximum Distance to Array	200' (Will be limited by obstructions)
PV System Performance Updates	Every 10 Minutes
PV System Performance Accuracy	Accurate to $\pm 2.5\%$ ¹

Communications³

ZigBee Transmit Power	63mW (+18dBm)
ZigBee Receive Power	-102dBm (1% PER)
WiFi Bands	802.11 b / g / n
WiFi Data Rate	Up to 72.2 Mbps
Ethernet	10/100Base-T

External Interface

Power Supply	5 VDC with barrel connector included
Power Consumption	Typ:1.2W / Max: 2.5W
Ethernet Port	(1) RJ045
XBEE Gateway Button	Switches unit to Access Point (AP) Mode
LED's	Power / Xbee / Network

Mechanical Data

Operating Temperature Range ²	32° F to 104° F / 0° C to 40° C (ambient)
Relative Humidity	5% to 95% (non-condensing)
Dimensions (W x H x D)	3 in x 3 in x 1 in (7.62 cm x 7.62 cm x 2.54 cm)

Other Features

Gateway Firmware	LeadSolar firmware pre-loaded
Firmware upgrades	Gateway's firmware only
Remote Monitoring	LeadSolar Website

Regulatory Approvals

Safety	UL 60950-1, CSA C22.2 & EN 60950-1
Emissions / Immunity / Transmitter	CE, FCC Part15 (Class B), IC, ETSI

¹ At high-power continuous output
² Industrial Version (DIGI XGI-20CZ7-E00-W0) Temp Range: -30° C to 70° C (ambient)
³ Cellular Connectivity available w/ GSM & CDMA Communication Bands

LeadSolar Energy, Inc.