

SolarEdge Wireless Communication ZigBee Kit North America

SE1000-ZBGW-K-NA / SE1000-ZB03-SLV-NA / SE1000-ZBRPT-NA



Simple Wireless Connectivity

- Connects SolarEdge inverters wirelessly to an Internet router
- ZigBee unit installed within the inverter enclosure for outdoor resilience
- Antenna external to inverter for wider range
- Communication to Internet via Ethernet
- The home gateway supports up to 15 SolarEdge devices (e.g. inverters) on the wireless network







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FUNCTIONAL		UNIT	
Number of devices that can be monitored	1-15		
RF PERFORMANCE			
Transmit power	18	dBm	
Receiver Sensitivity	-102	dBm	
Antenna gain	4	dBi	
Outdoor (LOS) range	400 / 1300	m / ft	
Indoor range ¹	50 / 160	m / ft	
HOME GATEWAY / REPEATER			
Antenna	Included		
Power supply	Included, 100-240VAC		
Operating temperature	-20 to +60 / -4 to +140	°C / °F	
Relative humidity (non condensing)	0 - 80	%	
Ingress protection	IP20 (Indoor)		
ZIGBEE SLAVE KIT			
Antenna, mounting bracket and RF cable	Included		
Dimensions (H x W x D)	22.0 x 32.9 x 4.1 / 0.9 x 1.3 x 0.2	mm / in	
Ingress protection	IP65 (IP20 / indoor rated when installed inside Control and Communication Gateway or Firefighter Gateway)		
CERTIFICATION			
Safety	IEC60950, UL60950		
EMC Approvals	FCC(USA), IC(Canada)		

 $^{^{1}}$ Approximate values, may differ depending on specific installation conditions

Scenario A: Basic Kit

Part Number: SE1000-ZBGW-K-NA

- 1 x SolarEdge home gateway
- 1 x ZigBee slave kit

for single SolarEdge device

Scenario B: Adding additional slave units

Part Number: SE1000-ZB03-SLV-NA

- 1x ZigBee slave kit

for connecting multiple devices to the same

home gateway

Scenario C: Extending range using a repeater

Part Number: SE1000-ZBRPT-NA - 1 x SolarEdge ZigBee Repeater for extending the ZigBee range





