



# SolarEdge Wireless Communication ZigBee Kit North America

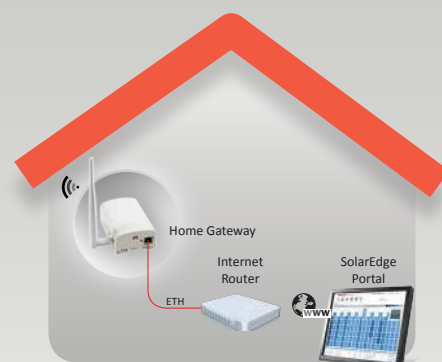
SE1000-ZBGW-K5-NA / SE1000-ZB05-SLV / SE1000-ZBRPT05-NA

COMMUNICATION



## 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





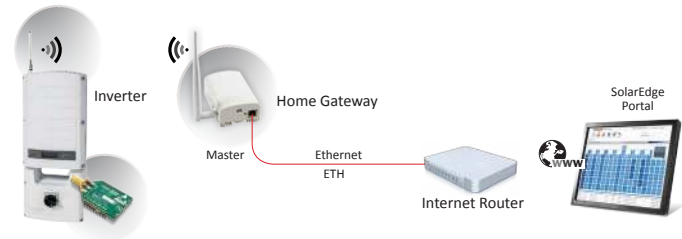
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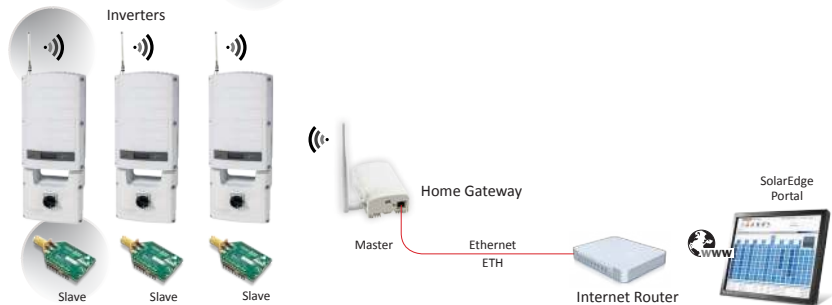
FUNCTIONAL		UNIT
Number of devices that can be monitored	1-15	
RF PERFORMANCE		
Transmit power	22.8	dBm
Receiver Sensitivity	-102	dBm
EIRP with antenna	27.8	dBm
Maximum Emitted Power	≤ 30	dBm
Antenna gain	5	dBi
Operating Frequency Range	2.4-2.5	GHz
Outdoor (LOS) range	400 / 1300	m / ft
Indoor range <sup>(1)</sup>	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)	

<sup>(1)</sup> Approximate values, may differ depending on specific installation conditions

**Scenario A: Basic Kit**  
 Part Number: SE1000-ZBGW-K5-NA  
 - 1 x SolarEdge home gateway  
 - 1 x ZigBee slave kit  
 for single SolarEdge device



**Scenario B: Adding additional slave units**  
 Part Number: SE1000-ZB05-SLV  
 - 1x ZigBee slave kit  
 for connecting multiple devices to the same home gateway



**Scenario C: Extending range using a repeater**  
 Part Number: SE1000-ZBRPT05-NA  
 - 1 x SolarEdge ZigBee Repeater  
 for extending the ZigBee range

