

Wireless Gateway and Repeater for North America

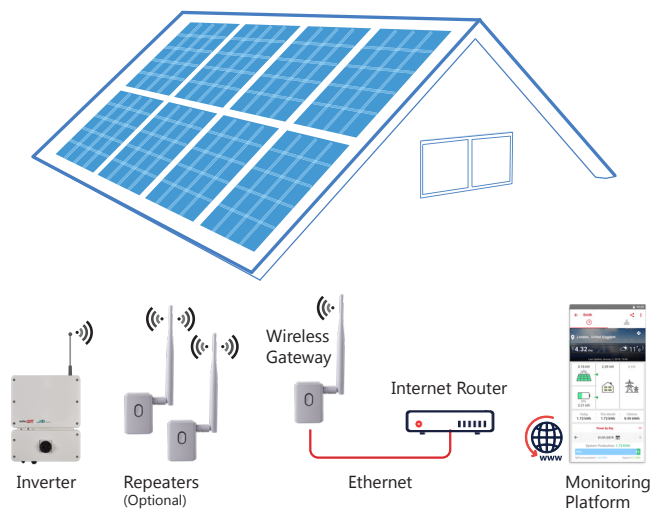
SE-WFGW-B-S1-NA
SE-WFRPT-B-S1-NA



COMMUNICATION

Simple Wireless Connectivity

- Wirelessly connects SetApp-enabled SolarEdge inverters to an Internet router
- Easy installation and configuration via SetApp, leveraging a Wireless station built into the inverter
- Antenna is located external to the inverter and supports up to two repeaters for extended range
- The Wireless Gateway supports up to eight SolarEdge inverters on a single wireless network



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for North America

Model: WiFi-GW

SE-WFGW-B-S1-NA, SE-WFRPT-B-S1-NA

| COMPATIBLE INVERTERS | SEXXXX-XXXXXBXX4 (INVERTERS WITH SETAPP CONFIGURATION) | UNITS |
|--|---|-----------|
| RF PERFORMANCE | | |
| Transmit Power (Max) | 19.5 | dBm |
| Receiver Sensitivity (802.11b @ 1Mbps DSS) | -94 to -69 | dBm |
| EIRP with Antenna | 24.5 | dBm |
| Outdoor (LOS) Range | 400 / 1300 | m / ft |
| Indoor Range ⁽¹⁾ | 50 / 160 | m / ft |
| Frequency Band | 2412 - 2462 | MHz |
| Bandwidth | 20 | MHz |
| Antenna Gain ⁽²⁾ | 5 | dBi |
| NETWORK AND SECURITY | | |
| Channels | 1-11 | |
| Security | WPA-PSK, WPA2-PSK, WEP | |
| WIRELESS LAN | | |
| Standards | 802.11b/g/n | |
| Modulation | 802.11b - DSSS-CCK, 802.11g - OFDM, 802.11n - HT modulations, MCS0-7 | |
| Data Rates | 1 - 72 | Mbps |
| ENVIRONMENTAL | | |
| Operating Temperature | -20 to +60 / -4 to +140 | °C / °F |
| Storage Temperature | -20 to +60 / -4 to +140 | °C / °F |
| Relative Humidity (non-condensing) | 0 - 80 | % |
| Ingress Protection | IP20 | |
| MECHANICAL | | |
| Dimensions (HxWxD; with pins) | 66.3 x 48 x 63 / 2.6 x 1.8 x 2.5 | mm / inch |
| Weight without Antenna | 90 / 0.20 | gr / lb |
| Weight with Antenna | 110 / 0.24 | gr / lb |
| POWER SUPPLY | | |
| AC Voltage (nominal) | 100-240 | Vac |
| AC Frequency (nominal) | 50/60 | Hz |
| Max Input Current | 50 | mA |
| STANDARD COMPLIANCE | | |
| Safety | UL62368-1:2014 Ed.2; CSA-C22.2 No. 62368-1:2014 Ed.2 | |
| EMC | CFR 47 FCC Part 15, Subpart B; Canada ICES-003, Issue 6; ANSI C63.10:2013 | |
| AC Plug | NEMA 1-15P (two-pole, no ground) | |

(1) Approximate values, may differ depending on specific installation conditions

(2) The antenna may have higher gain within EIRP power constraint

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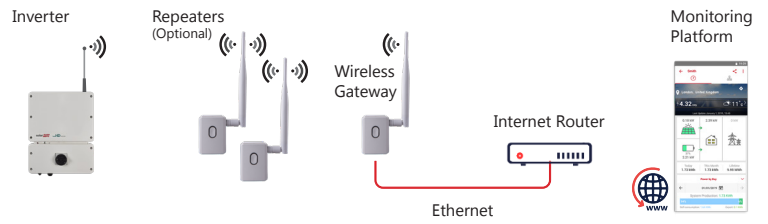
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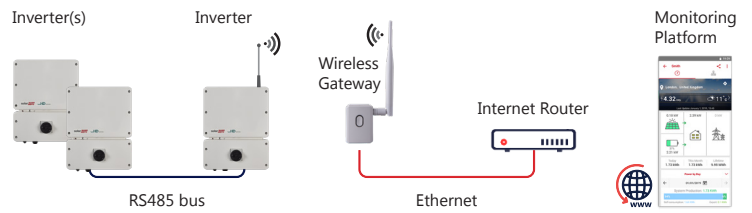
Scenario A: Single inverter, wireless connection with optional repeaters

- 1 x Wireless gateway
- 1 or 2 x Wireless repeater for extending the Wi-Fi range



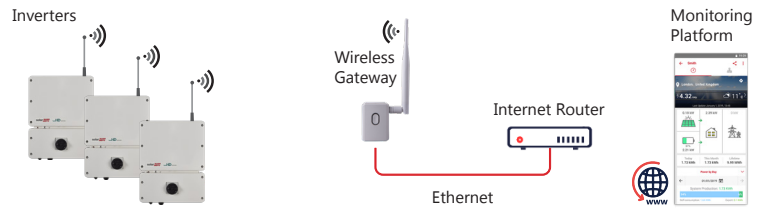
Scenario B: Multiple inverters, wired connection⁽³⁾

- 1 x Wireless gateway



Scenario C: Multiple inverters, Wi-Fi Point to Multi-point⁽³⁾

- 1 x Wireless gateway



(3) To extend the Wi-Fi range, add one or two Wireless repeaters