Wi-Fi Plug-in
SE1000-WIFI01

Simple Wireless Connectivity
- Connects SolarEdge inverters wirelessly to a Wi-Fi router
- Wi-Fi plug-in installed within the inverter enclosure for outdoor resilience
- Antenna external to inverter for wider range
- Robust communications with support of 802.11b/g/n standards
**Wi-Fi Plug-in**

**SE1000-WIFI01**

### COMPATIBLE INVERTERS

<table>
<thead>
<tr>
<th>SEXXXX-XXXXXNXXX</th>
<th>(INVERTERS WITH A DISPLAY)</th>
</tr>
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<tbody>
<tr>
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### RF PERFORMANCE

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmit power</td>
<td>16 dBm</td>
</tr>
<tr>
<td>Receiver Sensitivity</td>
<td>-93 to -71 dBm</td>
</tr>
<tr>
<td>EIRP with antenna</td>
<td>20 dBm</td>
</tr>
<tr>
<td>Outdoor (LOS) range</td>
<td>400 / 1300 m</td>
</tr>
<tr>
<td>Indoor range (1)</td>
<td>50 / 160 m</td>
</tr>
<tr>
<td>Max. power consumption @transmit</td>
<td>1 W</td>
</tr>
</tbody>
</table>

### NETWORKING AND SECURITY

- **Security**: WPA-PSK, WPA2-PSK and WEP
- **Channels**: 13 channels

### WIRELESS LAN

- **Standards**: 802.11b/g/n
- **Data rates**: 1 Mbps to 72 Mbps
- **Modulation**: 802.11b: CCK, DSSS; 802.11g/n: OFDM with BPSK, QPSK, 16-QAM, 64-QAM

### INSTALLATION SPECIFICATIONS

- **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 Commercial Gateway or Firefighter Gateway)

### CERTIFICATION

- **EMC Approvals**: ETSI(Europe), C-Tick(Australia), Telec(Japan)

1 Approximate values, may differ depending on specific installation conditions

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**Scenario A: Single inverter connection**

**Scenario B: Multiple inverter connection with RS485 bus (up to 32 SolarEdge devices)**

**Scenario C: Multiple inverter Wi-Fi connection**