Embedded Wireless Modules

Features
- IEEE 802.11 a/b/g/n
- 2Tx/2Rx
- Up to 300 Mbps data rate
- 64/128/152-bit WEP, 802.1x, TKIP and AES
- Operating temperature: -40 to 85°C

Specifications
- Main Chipset: Atheros AR9592-AR1B
- Tx/Rx: 2Tx/2Rx (2 U.FL connectors)
- Standard Conformance: 802.11 a/b/g/n
- Form Factor: Full-size Mini PCIe card
- Interface: PCI Express mini-card rev. 1.2
- Operation Voltage: DC 3.3V ±5%
- Power Consumption: Continue TX: 700mA (Avg.)
- Security: 64/128 bit WEP
- O.S Supported: Windows XP/Vista/7/8/8.1
- Temperature Ranges: Operation: -40 to 85°C
- Dimensions (L x W x H): 50.8 x 29.85 x 2.86 mm

Ordering Information
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWM-W158F01E</td>
<td>Advantech 802.11 a/b/g/n, Atheros AR9592-AR1B, 2T2R (Wide-temp.)</td>
</tr>
</tbody>
</table>

Suggested Antenna and Cable
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1750002842</td>
<td>WiFi 2.4 GHz and 5 GHz dipole Antenna</td>
</tr>
<tr>
<td>1750006043</td>
<td>WiFi Coaxial Cable, 150 mm</td>
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<tr>
<td>1750008010</td>
<td>WiFi Coaxial Cable, 200 mm</td>
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<tr>
<td>1750005885</td>
<td>WiFi Coaxial Cable, 230 mm</td>
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</tbody>
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