Wireless Solutions

Embedded RF Wireless Products

INTEGRATED RF TRANSMITTER/MCU FOR ZIGBEE/IEEE 802.15.4/SNAP NETWORKS

CEL's comprehensive line of ZigBee solutions includes ICs, modules, and software application packages designed for use in mesh, point-to-point, and point-to-multipoint systems. They provide a fully integrated, easy-to-use transceiver solution for IEEE 802.15.4 networks. CEL ZigBee modules and ICs are ideal for remote sensing, AMR/AMI, home and building automation, and security applications.

For quantities greater than listed, call for quote.

<table>
<thead>
<tr>
<th>MOUSER STOCK NO.</th>
<th>CEL Part No.</th>
<th>Operating Frequency (MHz)</th>
<th>Supply Voltage (V)</th>
<th>Output Power (dBm)</th>
<th>Sensitivity (dBm)</th>
<th>MCU</th>
<th>Flash Memory (KB)</th>
<th>Data Memory (KB)</th>
<th>Price Each</th>
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<tbody>
<tr>
<td>551-ZC2410QN48</td>
<td>ZIC2410QN48</td>
<td>2400 to 2483</td>
<td>1.5-3.3</td>
<td>-98</td>
<td>8</td>
<td>96</td>
<td>8</td>
<td>9.14</td>
<td>8.41</td>
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WIRELESS POWER RECEIVER AND EVALUATION BOARDS

For quantities greater than listed, call for quote.

<table>
<thead>
<tr>
<th>MOUSER STOCK NO.</th>
<th>IDT Part No.</th>
<th>Package</th>
<th>No. of Outputs</th>
<th>Input Voltage (Max.) (V)</th>
<th>Output Power (W)</th>
<th>Output Current (mA)</th>
<th>Supply Current (mA)</th>
<th>Application</th>
<th>Operating Temperature (ºC)</th>
<th>Price Each</th>
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<tbody>
<tr>
<td>972-P9025A0NBGI</td>
<td>P9025A-0NBGI</td>
<td>VFQFPN-32</td>
<td>5</td>
<td>5</td>
<td>1000</td>
<td></td>
<td></td>
<td>Device Power Supply</td>
<td>~-40 to 85</td>
<td>8.76</td>
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WIRELESS POWER TRANSMITTERS

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<tr>
<th>MOUSER STOCK NO.</th>
<th>IDT Part No.</th>
<th>Package</th>
<th>No. of Outputs</th>
<th>Input Voltage (Max.) (V)</th>
<th>Output Power (W)</th>
<th>Output Current (mA)</th>
<th>Supply Current (mA)</th>
<th>Topology</th>
<th>Operating Temperature (ºC)</th>
<th>Price Each</th>
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<tbody>
<tr>
<td>972-P9035-0NTGI</td>
<td>P9035-0NTGI</td>
<td>TQFPN-48</td>
<td>1</td>
<td>5.25</td>
<td>5</td>
<td>5</td>
<td>20</td>
<td>Half-Bridge</td>
<td>~-40 to 85</td>
<td>8.93</td>
</tr>
<tr>
<td>972-P9036-0NGDI</td>
<td>P9036-0NGDI</td>
<td>TQFPN-48</td>
<td>1</td>
<td>6.9</td>
<td>8</td>
<td>10</td>
<td>45</td>
<td>Full-Bridge</td>
<td>~-40 to 85</td>
<td>12.24</td>
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SIRFSTAR IV GPS MODULES

Specifications:
- Channels: 48
- Correlators: 400,000
- Frequency: L1 - 1.575MHz
- Sensitivity:
  - Tracking: -163dBm
  - Navigation: -160dBm
  - Acquisition (cold start): -148dBm
- Frequency: L1 - 1,575MHz
- Correlators: 400,000
- Power Consumption:
  - Full tracking: 14mA
  - Trickle Power Mode (1Hz): 8mW
- SiRFware™ Mode: 500μW
- Hibernate Mode: 30μW
- SiRFaware™ Mode: 500μW
- Trickle Power Mode (1Hz): 8mW
- Supply Voltage: 3 to 3.6VDC, 1.7 to 1.9VDC
- Interface: UART, SPI, I2C
- Temperature (ºC):
  - Operating: -40 to 85
  - Storage: -40 to 125
- Voltage (Max.): 3.6VDC
- Supply Current:
  - Operating: 15mA
  - Storage: 100mA
- Flash Memory:
  - 16KB
- Data Memory:
  - 1KB
- Module Power Supply:
  - SiRF Star IV GPS rec flash mod 1.8V
- Supply Voltage (Max.):
  - 3.6VDC
- Output Power:
  - Full-Bridge
- Outputs:
  - 1 (Pin 1)
  - 1 (Pin 2)
  - 1 (Pin 3)
  - 1 (Pin 4)
- Temperature (ºC):
  - Operating: -40 to 85
  - Storage: -40 to 125
- Flash Memory:
  - 16KB
- Data Memory:
  - 1KB
- Module Power Supply:
  - SiRF Star IV GPS rec flash mod 1.8V

GPS EVALUATION BOARDS

For quantities greater than listed, call for quote.

<table>
<thead>
<tr>
<th>MOUSER STOCK NO.</th>
<th>Maestro Wireless Part No.</th>
<th>Description</th>
<th>Price Each</th>
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</thead>
<tbody>
<tr>
<td>927-A2100-A</td>
<td>AE2100-A</td>
<td>Evaluation Board for AE2100-A</td>
<td>103.33</td>
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<tr>
<td>927-A2100-B</td>
<td>AE2100-B</td>
<td>Evaluation Board for AE2100-B</td>
<td>161.25</td>
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<tr>
<td>927-A2035-H</td>
<td>AE2035-H</td>
<td>Evaluation Board for AE2035-H</td>
<td>198.46</td>
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<tr>
<td>927-A2200-A</td>
<td>AE2200-A</td>
<td>Evaluation Board for AE2200-A</td>
<td>184.30</td>
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INDUSTRIAL CELLULAR DEVICE

Maestro 100 Evolution is the perfect solution for demanding M2M applications. Compact and fully featured, the Maestro 100ev series can easily be integrated into industrial application from electricity meters to intrusion alarms or vending machines.

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<thead>
<tr>
<th>MOUSER STOCK NO.</th>
<th>Maestro Wireless Part No.</th>
<th>Description</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>927-M100EV0-11B</td>
<td>M100ev-11B</td>
<td>GPRS quadband indust. modem - 100ev Series</td>
<td>183.00</td>
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