

# 802.11b Wireless Mini PCI Card



**Software Enhanced**

Site survey for optional connectivity Profile definition & selection

**Integration Support**

Made to order embedded antenna design with easy OEM integration

|                             |  |
|-----------------------------|--|
| <b>Model</b>                | <b>WM38</b>  |
| <b>Description</b>          | <b>2.4 GHz Direct Sequence Spread Spectrum (DSSS) Wireless Mini PCI Card.</b>  |
| <b>Interoperability</b>     | <b>Interoperable with Wi-Fi(WECA) certified products(AP, Card etc)</b>   |
| <b>Host</b>                 | <b>Mini-PCI spec V1.0 type III B</b>   |
| <b>Chipset</b>              | <b>AMD Alchemy Am1772</b>  |
| <b>Data</b>                 | <b>11, 5.5, 2 and 1 Mbps per channel, Auto Fall-Back</b>   |
| <b>Memory Size</b>          | <b>128K x 16 SRAM</b>  |
| <b>Power Supply</b>         | <b>3.3V</b>  |
| <b>OS Support</b>           | <b>Window 98 SE/2000/NT/ME/XP/Linux</b>  |
| <b>Network Architecture</b> | <b>Support ad-hoc(peer-to-peer) and infrastructure (communications to wired networks via Access Points), roaming(standard IEEE802.11b compliant)</b> |
| <b>RF Output Power</b>      | <b>14 dBm</b>  |
| <b>Current Consumption</b>  | <b>TX mode &lt; 232mA<br/>RX mode &lt; 134mA<br/>Sleep mode &lt; 18 mA</b>   |
| <b>Antenna</b>              | <b>Internal diversity with connectors</b>  |
| <b>Operating Channels</b>   | <b>1 11 FCC (US)<br/>1 13 ETSI<br/>10 13 (France)<br/>10 11 (Spain)<br/>1 14 (Japan, MKK)</b>  |
| <b>Modulation</b>           | <b>CCK(11Mbps, 5.5Mbps), DQPSK(2Mbps), DBPSK(1Mbps)</b>  |
| <b>Sensitivity</b>          | <b>@PER&lt;8%<br/>11Mbps : -80dBm, 5.5Mbps : -87dBm<br/>2.0Mbps : -85dBm, 1.0Mbps : -90dBm</b>   |

|                              |  |
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| <b>Warranty</b>              | <b>One year limited warranty</b>   |
| <b>Operating Frequency</b>   | <b>2.412 ~ 2.462 GHz (US)</b><br><b>2.412 ~ 2.484 GHz (Japan)</b><br><b>2.412 ~ 2.472 GHz (Europe ETSI)</b><br><b>2.457 ~ 2.462 GHz (Spain)</b><br><b>2.457 ~ 2.472 GHz (France)</b> |
| <b>Humidity</b>              | <b>95% (Non-condensing)</b>  |
| <b>Operating temperature</b> | <b>0 to 60</b>   |
| <b>Storage temperature</b>   | <b>-20 to 70</b>   |
| <b>Dimension</b>             | <b>44.6mm(W) *59.8mm(L) *4.1 mm(H)</b>   |