

# 802.11b Wireless CF Card



*Fi Win, Inc.*

Software Enhanced Site Survey for optimal connectivity profile definition & selection complete user diagnostic.

Dual External Antennas Equipped with auto fallback data rate for noisy environment conditions.

## Technical Specifications:

|                             |   |
|-----------------------------|---|
| <b>Model</b>                | <b>WF18</b>   |
| <b>Description</b>          | 2.4 GHz Direct Sequence Spread Spectrum (DSSS) Wireless CF+card, Compact Flash V1.4 CF+ TYPE II Compliant.  |
| <b>Interoperability</b>     | Interoperable with Wi-Fi(WECA) certified products(AP, card etc.)  |
| <b>Host</b>                 | Compact Flash V1.4 , CF+ I/O interface, type II   |
| <b>Chip</b>                 | Intersil Prism 3.0  |
| <b>Data</b>                 | 11, 5.5, 2 and 1 Mbps per channel, Auto Full-Back   |
| <b>Memory Size</b>          | 128Kx16 SRAM, 128Kx8 flash ROM  |
| <b>Voltage</b>              | 3.3 VDC +/- 5%  |
| <b>LED</b>                  | Link status   |
| <b>Power</b>                | TX power consumption      250mA(average), 270mA(max)<br>RX power consumption      190mA(average), 210mA(max)<br>Sleep Mode power consumption    17mA(average) |
| <b>OS Support</b>           | Windows    98SE/2000/ME/XP<br>WinCE      3.0/4.0/4.1/.....<br>Linux   |
| <b>Network Architecture</b> | Supports ad-hoc (peer-to-peer) and infrastructure (communications to wired networks via Access Points), roaming (standard IEEE 802.11b compliant)             |
| <b>RF Output Power</b>      | 13dBm   |
| <b>Antenna</b>              | PIFA antenna  |
| <b>Operating Channels</b>   | 11 N. America, 14 Japan, 13 Europe (ETSI), 2 Spain, 4 France  |
| <b>Sensitivity</b>          | @PER< 8%<br>11Mbps : --81dBm (+/- 3dBm), 5.5Mbps : -86 dBm(max.)<br>2 Mbps : -89 dBm(max.), 1 Mbps : -93 dBm(max.)  |

|                            |   |
|----------------------------|---|
| <b>Modulation</b>          | CCK (11Mbps, 5.5Mbps), QPSK (2Mbps), BPSK (1Mbps)   |
| <b>Warranty</b>            | One Year Limited Warranty   |
| <b>Humidity</b>            | 5~90% (non-condensing)  |
| <b>Operating Frequency</b> | 2.412-2.462 GHz (N. America)<br>2.412-2.484 GHz (Japan)<br>2.412-2.472 GHz (Europe ETSI)<br>2.457-2.462 GHz (Spain)<br>2.457-2.472 GHz (France) |
| <b>Temperature</b>         | 0 ~ 55 (Operating), -20 ~ 80 (Storing)  |
| <b>Size and Weight</b>     | 60mmL*42.8mmW*5.0mmH  |

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