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## LevelOne FreeCon

### LevelOne 54Mbps Wireless Access Point



#### TECHNICAL DATA

##### Standard Conformance

- IEEE802.11b compliance
- IEEE802.11g (draft)

##### Data Transfer Rate

- IEEE802.11b up to 11Mbps (1/2/5.5/11)
- IEEE802.11g (draft) up to 54Mbps (6/9/12/18/24/36/48/54)

##### LAN Interface

- 1 x RJ45 10/100Mbps Ethernet Port

##### Security

- 64/128Bit WEP
- IEEE802.1x in Windows XP

##### Antenna

- 1 x 2.4GHz dipole Antenna and 1 x 2.4GHz embedded Antenna

##### Emission Type

- DSSS (Direct Sequence Spread Spectrum)

##### Number of Channels

- USA and Canada: 11
- Major European Countries: 13
- Japan: 14

##### Frequency Band

- 2.412~2.484 GHz (Subject to local Regulations)

##### LEDs

- Power/Status      Red is Power on
- Wireless              Green is active
- Ethernet              Green is active

##### Sensitivity for 802.11b

- BPSK (1.2Mbps) – 90 dBm
- QPSK (5.5Mbps) – 86 dBm
- CCK (11Mbps) – 82 dBm

##### Sensitivity for 802.11g

- 54Mbps: -72 dBm, 48Mbps: -72 dBm, 36Mbps: -76 dBm
- 24Mbps: -79 dBm, 18Mbps: -82 dBm, 12Mbps: -86 dBm
- 9Mbps: -89 dBm, 6Mbps: -90 dBm

##### Media Access Protocol

- CSMA/CA with ACK

##### Data Modulation Type

- BPSK, QPSK, CCK and OFDM (BSK/QPSK/16-QAM/64-QAM)

##### Power Consumption

- Operating: max. 1.2 A and Standby: 600 mA ± 50 mA

##### Physical Characteristics

- Operating Temperature: 0°C to 55°C
- Storage Temperature: -20°C to 70°C
- Humidity: max. 95% Non-condensing
- Dimensions: 140mm x 90mm x 40mm

##### Ordering Information

- WAP-0003    54Mbps Wireless Access Point