

Technical Specifications

| Hardware Specification | |
|-------------------------------|---|
| MCU/RF | Atheros AR2315 Single chip |
| Memory | 32MB SDRAM |
| Flash | 8MB |
| Physical Interface | One 10/100 Fast Ethernet RJ-45 Reset Button One SMA Connector One switch (external and internal antenna switching) |
| LED indicators | Power/ Status LAN (10/100Mbps) WLAN (Wireless is up) 3* Link Quality (Client Bridge mode) <ul style="list-style-type: none"> ➤ Green: Good Quality ➤ Yellow: Marginally Acceptable Quality ➤ Red: Bad Quality |
| Power Requirements | Active Ethernet (Power over Ethernet, IEEE802.3af) 12 V DC/1A Proprietary PoE design |
| Regulation Certifications | FCC Part 15/UL, ETSI 300/328/CE |

| RF Specification | | | |
|--|---|--|---|
| Frequency Band | 802.11b/g 2.412~2.472GHz | | |
| Modulation Technology | OFDM = BPSK, QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK | | |
| Operating Channels | 802.11b/g 11 for North America, 14 for Japan, 13 for Europe | | |
| Receive Sensitivity (Typical) | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">802.11g -92 dBm @ 6Mbps, -74 dBm @ 54Mbps</td> <td style="width: 50%; border: none;">802.11b -97 dBm @ 1Mbps -89 dBm @ 11Mbps</td> </tr> </table> | 802.11g -92 dBm @ 6Mbps, -74 dBm @ 54Mbps | 802.11b -97 dBm @ 1Mbps -89 dBm @ 11Mbps |
| 802.11g -92 dBm @ 6Mbps, -74 dBm @ 54Mbps | 802.11b -97 dBm @ 1Mbps -89 dBm @ 11Mbps | | |

* Theoretical wireless signal rate based on IEEE standard of 802.11b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice.

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| | | | | |
|---|--|--|-----------------------------------|--|
| Available transmit power (Average power) | FCC | | ETSI | |
| | Frequency | Power | Frequency | Power |
| | 2.412~2.462 GHz IEEE802.11g | 26dBm@6~24Mbps 25dBm@36Mbps 23dBm@48Mbps 22dBm@54Mbps | 2.412~2.472 GHz IEEE802.11g | 26dBm@6~24Mbps 25dBm@36Mbps 23dBm@48Mbps 22dBm@54Mbps |
| | 2.412~2.462 GHz IEEE802.11b | 27dBm@1~11Mbps | 2.412~2.472 GHz IEEE802.11b | 27dBm@1~11Mbps |
| | Tolerance | +/-1 dBm | Tolerance | +/- 1 dBm |
| Internal Antenna | Embedded 10dBi Panel antenna (Antenna diversity) | | | |
| External Antenna | 1* SMA connector | | | |

| Software Features | |
|---------------------|---|
| General | |
| Topology | Infrastructure |
| Protocol / Standard | IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.11b/g (2.4GHz WLAN) |
| Operation Mode | 802.11 11b/g Access Point Client Bridge |
| LAN | DHCP Client |
| Wireless | Channel Selection (Setting varies by countries) Transmission Rate 11 b/g : 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps Long distance transmission : 1km to 30km Transmit power table Signal Strength indication using LEDs |
| Security | WEP Encryption-64/128/152 bit WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP using TKIP) 802.1x Authenticator/supplicant Hide SSID in beacons 802.1Q VLAN |

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| | |
|-----------------------|---|
| | L2 isolation(AP mode) Wireless STA (Client) connected list Multiple SSID |
| QoS | WMM (Phase 2) |
| Management | |
| Configuration | Web-based configuration (HTTP) |
| Firmware Upgrade | <ul style="list-style-type: none"> • Upgrade firmware via web-browser • Keep latest setting when f/w update |
| Administrator Setting | <ul style="list-style-type: none"> • Administrator password change |
| Reset Setting | <ul style="list-style-type: none"> • Reboot (Press 1 second) • Reset to Factory Default (Press 5 seconds) |
| System monitoring | Status, Event Log |
| SNMP | V1, V2c (Phase 2) |
| MIB | MIB I, MIB II (RFC1213) and Private MIB (Phase 2) |
| Backup & Restore | Settings through Web |
| Time setting | NTP (Auto-setting of time) Time setting manually |

Environment & Mechanical

| | |
|------------------------------|---|
| Temperature Range | Operating -20°C~70°C Storage -30°C to 80°C |
| Humidity (non-condensing) | 0%~90% typical |
| Dimensions | 260mm (L) x 84mm (W) x 55mm (H) |
| Weight | 300g |

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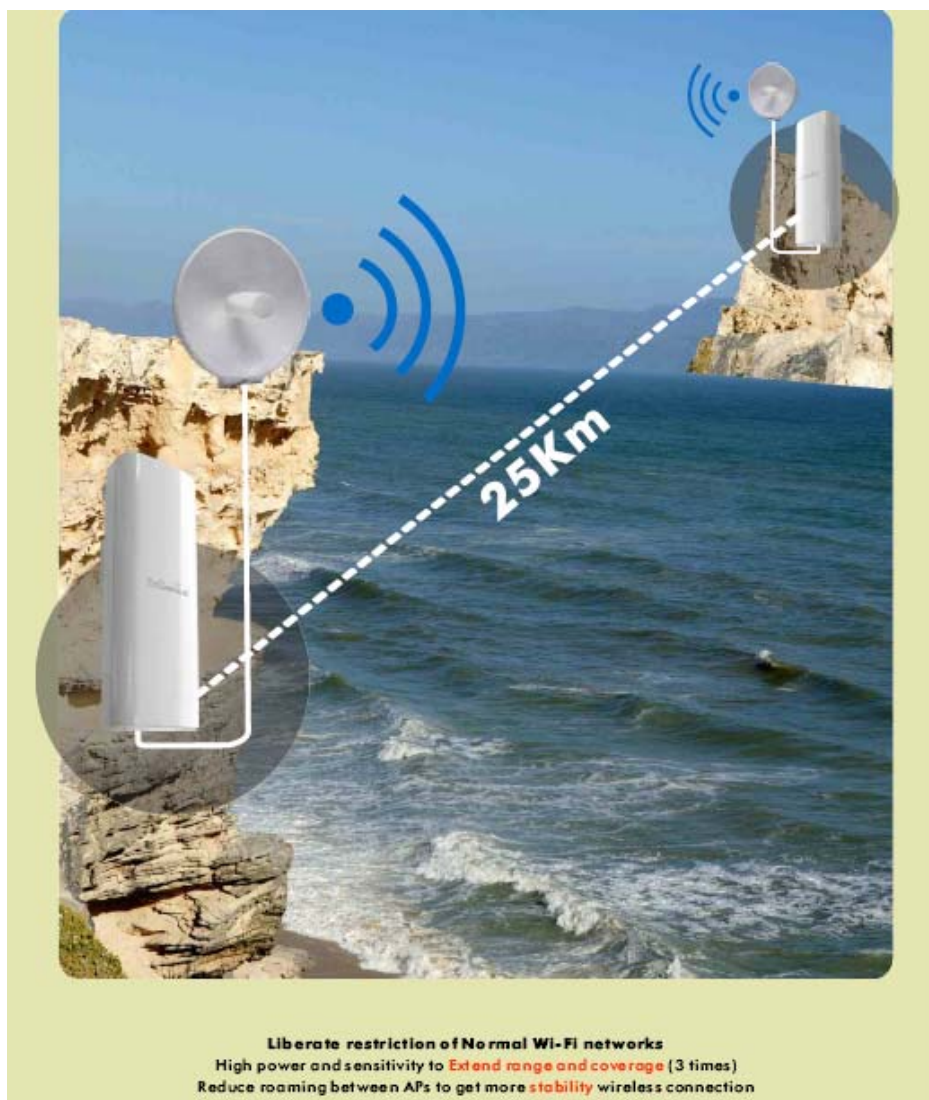
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Application

Access Point + Client Bridge scenario



Long Range Transmitting



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Product ID & Mounting Base

Front



Rear



Standard Mounting Kits

Pole mount



Optional mounting kits

Wall mount



Window mount



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