

ECB600

Dual Band Long Range Multi-Function Access Point/ Client Bridge

2.4GHz+5GHz 300Mbps+300Mbps 29dBm AP/CB/WDS/Repeater



ECB600 is a wireless-11n 600Mbps (300Mbps + 300Mbps) High Power Dual Band concurrent Access Point/ Client Bridge. It allows simultaneous operation of 2.4GHz and 5GHz wireless network. With media-optimized performance, you can enjoy internet surfing more smoothly and with less lag.

Maxima 29dBm high power transmission provides extended coverage in your environment. MSSID + VLAN make your data more secure and easy management. Standard PoE interoperable with 802.3af/at makes internet connection more flexible.

ECB600 designed with 4 detachable high gain antennas which deliver larger coverage and higher throughput in the environment. Elegant body and white outlook will upgrade aesthetic feeling on your desk in working environment. ECB600 is the best choice in business office.

Package Contents

- 1* ECB600
- 1*Power Adapter
- 1*QIG
- 1*CD (User's Manual)
- 1*Ethernet Cable
- 1*Wall Mount kit
- 4*Detachable Antenna

| Software Features | | |
|-----------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| System Requirement | | |
| System | Windows7, 98, ME, NT, XP, 2000. Mac OS X (10.4) | |
| Access method | Web Based (HTTP 1.0 / 1.1) | |
| Browser Compatibility | Microsoft IE 6.0 or above, Firefox 2.0 or above | |
| Status | | |
| System Status | System Information | System Up Time, Device Name, Wireless MAC, LAN MAC, Country, Current Time, Firmware Version |
| | Current IP Setting | IP Address, Subnet Mask, Default Gateway, DHCP, DNS. |
| | Current Wireless Setting | Operation mode, Wireless Mode, Channel/Frequency, L2 Isolation, MSSID Setting |
| Client List | List current associated clients. Show only authorized and associated clients | |
| System Log | Displays a list of events triggered | |

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| Wireless Functional List | | | |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--|
| Operation mode | AP | | |
| | CB | | |
| | WDS | | |
| | Repeater | | |
| WDS detail | WDS AP | | |
| | WDS bridge | | |
| | WDS station | | |
| 802.11 mode options | a/b/g/n | | |
| Band Steering | Band steering steers 5GHz-compatible clients to 5GHz band and leave 2.4 GHz band for single band (2.4GHz) client using. | | |
| Channel setting | Manual | | |
| | Auto / Best Channel Selection | | |
| Transfer rate setting | Auto and Manual | | |
| Output Power Control | Select by dBm | | |
| Multiple BSSID (Multi AP) | 8 BSSID for 2.4Ghz , another 8BSSID for 5Ghz | | |
| | Each BSSID should has its own WiFi & security settings | | |
| WPS | Software only | | |
| Security | WEP | WEP(64/128bit) | |
| | WPA/ WPA2-PSK | TKIP / AES | |
| | MAC address filtering | MAC address filtering (WLAN, up to 50 field) | |
| | Support EAP | EAP-TLS | |
| | | EAP-TTLS/MSCHAPv2 | |
| | | PEAPv0/EAP-MSCHAPv2 | |
| | | PEAPv1/EAP-GTC | |
| | | EAP-SIM | |
| | | EAP-AKA | |
| | | MD5/ TLS/ TTLS, PEAP | |
| | 802.1x Authenticator | | |
| | Hidden ESSID | Supported | |
| | MAC address | MAC address filtering (WLAN, up to 50 field) | |
| L2 Isolation | Supported | | |
| LAN Settings | IP (check validity) | | |

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| VLAN | MSSID | VLAN tag on MSSID |
|-------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| | Management VLAN | Only allow user with specified VID to access the device |
| | Ethernet Port VID | |
| | Tag/ Untag Option | Independent VLAN setting can be enable or disable |
| | Add VLAN tag | Any packet that enters the Device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet Port VID) |
| | VLAN Pass through | VLAN pass through over WDS bridge |
| SNMP | SNMP V1/V2C | - SNMP Active : Disabled / Enabled |
| | MIBI, MIBII | - SNMP Version : V1/V2c/ALL |
| | Private MIB | - Read Community - Set Community - System Location - System Contract - Trap Active : Disabled / Enabled - Trap Manager IP |
| | SNMPv3 | |
| QoS | | WMM (Default) Load Balance Per SSID |
| Administration | | User Name (set as "admin", can be changed by user) Password (c set as "admin", can be changed by user) |
| Backup/ Restore Setting | | Save Current Setting Restore Saved Setting Reset to Factory Default |
| Firmware Upgrade | | supported |
| UPnP | | Supported |
| Firmware Upgrade | | supported |
| Advanced Management | | Auto Reboot |
| | | CLI |
| | | NMS (EZ Controller) supported |
| Hardware Specifications | | |
| Dimension | | 189mm x 140mm x 26mm |
| Physical Interface | | LAN: 1 x 10/100/1000 Gigabit Ethernet (802.3at PoE standard supported) |
| | | Reset |
| | | Power Jack |

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| | | | |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| | Power on/off switch | | |
| LED Definition | Power x1 | Orange | Booting: Blink at 1H Booting System Ready: On Firmware Upgrade: Blink at 4Hz System Off: Power Off |
| | LAN x1 | Blue | Link: Solid Light / Active: Blinking (Receiving/ Transmitting data) |
| | WLAN x2 | 2.4G Blue 5G Blue | Link: Solid Light / Active: Blinking (Receiving/ Transmitting data) |
| Adapter | 12V / 2A | | |
| Wireless Specifications | | | |
| Frequency Band | Radio I: 11b/g/n : 2.412~2.484 GHz Radio II: 11a/n :5.18 ~ 5.24 & 5.26 ~ 5.32 & 5.5 ~ 5.7 & 5.745 ~ 5.825 GHz | | |
| Modulation Technology | OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK | | |
| Operating Channels | 2.4G (11 for North America, 14 for Japan, 13 for Europe) 5G (TBD)depend on what region | | |
| Wireless Setting | Operation Mode – AP / CB/ WDS / Repeater Wireless Mode – 11a/ 11b/ 11g /11n Channel Selection (Setting varies by Country) Channel Bandwidth (Auto, 20Mhz, 40Mhz) Transmission Rate – 2.4GHz: 11n only ,11b/g/n mix ,11b only ,11b/g, 11g only 5GHz: 11n only mode, 11a/n mix mode, 11a only mode | | |
| Receive Sensitivity (Typical) | <p>802.11b</p> <p>-99dBm @ 1Mbps</p> <p>-93dBm @ 11Mbps</p> <p>802.11g</p> <p>-96dBm @ 6Mbps</p> <p>-82dBm @ 54Mbps</p> <p>802.11n (2.4GHz)</p> <p>-97dBm @ MCS0</p> <p>-78dBm @ MCS7</p> | <p>802.11a</p> <p>-90dBm @ 6Mbps</p> <p>-72dBm @ 54Mbps</p> <p>802.11n (5GHz)</p> <p>-89dBm @ MCS0</p> <p>-70dBm @ MCS7</p> <p>-89dBm @ MCS8</p> <p>-70dBm @ MCS15</p> | |

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| | | | |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------|----|
| | -96dBm @ MCS8 | | |
| | -76dBm @ MCS15 | | |
| Available transmit power (2 stream) (The Max. Power may be different depending on local regulations) | 11b | 1Mbps - 11Mbps | 29 |
| | 11g | 6Mbps - 9Mbps | 29 |
| | | 12Mbps - 18Mbps | 28 |
| | | 24Mbps - 36Mbps | 24 |
| | | 48Mbps - 54Mbps | 23 |
| | 11n | MCS 0-1 / 8-9 | 29 |
| | | MCS 2-3 / 10-11 | 28 |
| | | MCS 4-5 / 12-13 | 24 |
| | | MCS 6-7 / 14-15 | 23 |
| | 11a | 6Mbps - 9Mbps | 26 |
| | | 12Mbps - 18Mbps | 25 |
| | | 24Mbps - 36Mbps | 24 |
| | | 48Mbps - 54Mbps | 23 |
| | 11n | MCS 0-1 / 8-9 | 26 |
| | | MCS 2-3 / 10-11 | 25 |
| | | MCS 4-5 / 12-13 | 24 |
| MCS 6-7 / 14-15 | | 23 | |
| Antenna | External Omni Detachable Antenna (2.4GHz *2/ 5GHz *2) | | |

Environment & Mechanical

| | |
|------------------------------|-------------------------------------------------|
| Temperature Range | 0 to 50° C - Operating, -20 to 60 ° C - Storage |
| Humidity (non-condensing) | 90% or less – Operating, 90% or less - Storage |

Certification

| | |
|-----|-----------|
| FCC | Certified |
| CE | Certified |
| IC | Certified |