



ALLNET ALL02850N

300Mbit Wireless N Indoor AccessPoint / Bridge / Repeater with Fast Ethernet and PoE

- *Up to 300Mbit Wireless N on 2.4GHz Band*
- *Long-Range Coverage 29 dBm transmit power*
- *Several modes: Access Point, Client Bridge, Universal Repeater, WDS Bridge, WDS AP, WDS Station, AP Router*
- *4 SSID with 802.1q SSID-to-VLAN tagging support*
- *WPS, WDS and QoS(WMM)*
- *Secure wireless communication with WEP/WPA/WPA2/802.1X*
- *Power input via external power supply or Power over Ethernet*

Art.-Nr. 104003

Note: Product specification is subject to change without notice

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The ALLNET ALL02850N is a Wireless N300 Indoor Access Point with 29 dBm transmit power for long range coverage, wireless speeds up to 300 Mbps and a Fast Ethernet port for connecting to a switch or router. With its enhanced receive sensitivity and its MIMO (Multiple In/Multiple Out) antenna array extends wireless coverage and enhances connectivity to client devices.

The ALL02850N can be configured to eight different operation modes (Access Point/Client Bridge/Universal Repeater/WDS Bridge/WDS AP/WDS Station/AP Router/Client Router) to meet the changing needs of evolving business environments.

The ALL02850N also features industry standard wireless network encryption settings, like WEP, and WPA/WPA2, to protect the network from unauthorized access. It also supports IEEE 802.1x Supplicant function in Client Bridge mode for authenticating users to a RADIUS server. Certainly supports the ALL02840N the PoE Standard IEEE 802.3af.

| Item | Specification |
|---------------------------|---|
| Standards: | IEEE 802.11b/g/n |
| Frequency Band: | 2.4 GHz: IEEE 802.11b/g: 2.400~2.484 GHz |
| Modulations: | OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK |
| Antenna: | Two (2) external 5 dBi Omni-Directional SMA Antennas |
| Data Rate: | Up to 300 Mbps in 2.4GHz |
| Memory: | 32MB / 4MB Flash |
| Receiver Sensitivity: | 802.11b (2.412~2.472 GHz) best ≤ -98 dBm 802.11g (2.412~2.472 GHz) best ≤ -93 dBm 802.11n (2.412~2.472 GHz) best ≤ -93 dBm |
| Available Transmit Power: | (Max. Power may be different depending on local regulations) 802.11b (2.412~2.472 GHz) 29 dBm @ 1~11 Mbps 802.11g (2.412~2.472 GHz) 29 dBm @ 6 Mbps 29 dBm @ 9 Mbps 28 dBm @ 12 Mbps 28 dBm @ 18 Mbps 24 dBm @ 24 Mbps 24 dBm @ 36 Mbps 23 dBm @ 48 Mbps 23 dBm @ 54 Mbps 802.11n (2.412~2.472 GHz) 26 dBm @ MCS0/MCS8 26 dBm @ MCS1/MCS9 25 dBm @ MCS2/MCS10 25 dBm @ MCS3/MCS11 24 dBm @ MCS4/MCS12 24 dBm @ MCS5/MCS13 23 dBm @ MCS6/MCS14 23 dBm @ MCS7/MCS15 |



| Item | Specification |
|---------------------------|--|
| Wireless Features | |
| Operation Modes: | Access Point, Client Bridge, WDS Bridge, WDS Access Point, WDS Station, Universal Repeater, Access Point Router, Client Router |
| Security: | WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP using TKIP) 802.1X RADIUS Authenticator: MD5/TLS/TTLS, PEAP SSID broadcast enable/disable MAC Address Filtering, Up to 32 field L2 Isolation (Access Point mode) |
| QoS (Quality of Service): | WMM (Wireless Multimedia) |
| SSID-to-VLAN Tagging: | Supports 802.1q SSID-to-VLAN tagging |
| Spanning Tree: | Supports 802.1d Spanning Tree Protocol |
| DHCP Server: | DHCP range, lease time, client list |
| VPN: | Pass-through (PPTP, L2TP, IPSec) |
| Interfaces: | 1 x 10/100 Fast Ethernet (RJ-45) port 1x Reset Button 1x Power Jack |
| Power Input: | External Power Adapter DC IN, 12V / 1A |
| Power-over-Ethernet: | IEEE 802.3af support |
| LED Indicator: | Power/Status LAN (10/100/1000Mbps) WLAN (Wireless connection) |
| Case: | plastic case |
| Dimension: | Height/Length/Width: 30 x 135 x 105 mm Weight: 385 Gramm (only Device) |
| Environment: | Temperature operating: 0 ~ 50 °C Humidity operating: 10% ~ 90% (non-condensing) Temperature storage: -20 ~ 60 °C Humidity storage: 30% ~ 90% (non-condensing) |
| Mark: | CE |
| Package Content: | 1x ALL02850N Indoor Access Point/Client Bridge 1x 12V/1A Power Adapter 1x RJ-45 Ethernet Cable 2x 2.4 GHz Detachable Antenna 1x Quick Installation Guide 1x CD with User Manual |



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 2,4 GHz

