ALLNET ALL0358n

Wireless outdoor bridge/
AP 300Mbps IP55 802.11b/g/n 2,4 GHz

- 800mW high power long range coverage / up to 2 miles
- Wireless N300 speed
- Two fast ethernet ports
- Internal High-Gain 10 dBi directional antenna
- IP55 waterproof housing for harsh outdoor environments
- PoE and mounting kits included

Article: 81725

Note: Product specification is subject to change without notice.

2,4 GHz long range 802.11n outdoor bridge wireless access point / bridge

The ALL0358N is a high-speed-long-range outdoor 802.11n wireless acces point / bridge using the 2,4 GHz band.
It complies IEEE 802.11b/g/n standard with MIMO antenna design and enables data rates up to 300 Mbps gross.

The ALL0358N can function as a Wireless access point, client bridge, client router, or wireless distribution system (WDS) bridge. utilizing its integrated internal 10dBi antenna and its high power output of up to 800mW, the ALL0358N delivers higher throughput across an extended range making it an ideal CPE offering for a Wireless Internet Service Provider.

The ALL0358N acts as an extension of an existing home or small business network for video streaming, voice & data intensive applications.

1. Hardware specifications

Element	Specification
Chipset:	Atheros AR7240 + AR9283
Memory:	32MB SDRAM, 8MB Flash
Physical interface:	2x RJ45 10/100 Mbps fast ethernet 1x reset button
LED indicators:	Power Status LAN (10/100Mbps) WLAN (Wireless is up) 3 x Link Quality (Client Bridge mode)
Power requirement:	Active Ethernet (Power over Ethernet) Proprietary PoE design Power Adapter 24VAC / 0.6A

2. Software specifications

Element	Specification
Topology	Infrastructure, ad-hoc
Protocol	IEEE802.3, 802.3u, 802.11 b/g/n (2.4 GHz)
Operation Mode	Access Point/Client Bridge/WDS bridge/WDS AP/WDS ST/Client Router
LAN	DHCP server/client
VPN	VPN Pass-through
Networking	PPPoE, PPTP, DHCP client, spanning tree, Channel bandwidth
Security	WEP encryption – 64/128/152 bit WPA/WPA2 Personal (WPA PSK uses TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP usesTKIP) 802.1x Authenticator Hide SSID in beacons MAC address filtering, up to 50 fields Wireless STA (Client) connected list

Note: Product specification is subject to change without notice.

3. RF specifactions

Element	Specification
Frequenzy	802.11b/g/n 2,412~2,472GHz (b/g/n)
Modulation technologies	IEEE 802.11b: DBQSK, DQPSK, CCK IEEE 802.11g: BQSK, QPSK, 16-QAM, 64- QAM IEEE 802.11n: BQSK, QPSK, 16-QAM, 64-QAM
Operating channels	11 channels
Transmit power	802.11b(2.412 ~ 2.472GHz) 29 dBm @ 1Mbps 29 dBm @ 2Mbps 29 dBm @ 5.5Mbps 29 dBm @ 11Mbps 802.11g(2.412 ~ 2.472GHz) 29 dBm @ 6Mbps 29 dBm @ 9Mbps 29 dBm @ 12Mbps 29 dBm @ 18Mbps 27 dBm @ 24Mbps 26 dBm @ 36Mbps 25 dBm @ 48Mbps 24 dBm @ 54Mbps 802.11n(2.412 ~ 2.472GHz) 29dBm @ MCS0 / MCS8 29 dBm @ MCS1 / MCS9 29 dBm @ MCS2 / MCS10 29 dBm @ MCS3 / MCS11 26dBm @ MCS4 / MCS12 25 dBm @ MCS5 / MCS13 24 dBm @ MCS6 / MCS14 23 dBm @ MCS7 / MCS15
Receiver sensitivity	802.11b(2.412 ~ 2.472GHz) -97 dBm @ 1Mbps -95 dBm @ 2Mbps -92 dBm @ 5.5Mbps -89 dBm @ 11Mbps 802.11g(2.412 ~ 2.472GHz) -96 dBm @ 6Mbps -93 dBm @ 9Mbps -89 dBm @ 12Mbps -85 dBm @ 18Mbps -81 dBm @ 24Mbps -79 dBm @ 38Mbps -76 dBm @ 48Mbps -75 dBm @ 54Mbps 802.11n(2.412 ~ 2.472GHz) -95 dBm @ MCS0 / MCS8 -92 dBm @ MCS1 / MCS9 -87 dBm @ MCS2 / MCS10 -85 dBm @ MCS3 / MCS11 -80 dBm @ MCS4 / MCS12 -79 dBm @ MCS5 / MCS13 -74 dBm @ MCS6 / MCS14 -73 dBm @ MCS7 / MCS15

Note: Product specification is subject to change without notice.

4. Management

Element	Specification
Configuration	Web-based configuration (HTTP)
Firmware Upgrade	Firmware upgrade via browser
Administrator Setting	Administrator password change
Reset Setting	Reboot; Reboot to factory default
SNMP	V1, V2c
MIB	MIB I, MIB II(RFC1213), Private MIB
Backup & Restore	Configuration backup, configuration restore
Diagnosis	Ping & Trace Route,
Time Setting	Manual; Auto: NTP

5. Environment & physical

Element	Specification
Temperature Range	Operation: -4°F ~ 158°F (-20°C ~ 70°C) Storage: -22°F ~176°F (-30°C ~ 80°C)
Humidity (non-condensing)	0%~90% typical
Dimensions	260mm (L) x 84mm (W) x 55mm (H)
Weight	0.9 lb
Marks:	FCC, CE, IC

Note: Product specification is subject to change without notice.