



ALL0258



Wireless Outdoor Access Point & Client Bridge

Der ALL0258 ist ein Outdoor Wireless AccessPoint (IEEE 802.11a/b/g) mit 2,4GHz und 5 GHz Antennen in einem einzigen Gehäuse, somit kann u.a. eine einfache Punkt-zu-Punkt Verbindung aufgebaut werden.

Folgende Applikationen/Modies können genutzt werden: Access Point/Client Bridge und Client Router. Der Accesspoint Unterstützt die Geschwindigkeit von 54Mbit. Die Signalstärke und Distanzkontrolle wird über LED's am Gerät signalisiert.



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Produkt Daten

- 5GHz / 2.4GHz: It works in 5GHz / 2.4GHz frequency Spectrum
- High output power: Transmit output power programmable for different country selections
- High Data Rate: High speed transmitting rate up to 54Mbps, supports large payload such as MPEG video streaming
- Multifunction application: Access Point/Client Bridge/Client Router
- Long range transmitting: Transmit power control and distance control (ACK timeout)
- Signal Strength Display: LED indicators have the best transmit and receive signal for traffic communication. And RF signal strength status shown LEDs of 3 colors, making network build-up easier
- Public wireless solution: An AP interface that is especially useful in public areas such as hotspots and enterprise
- QoS(WMM): Enhance performance and density

Hardware Specification

MCU/RF	Atheros AR2313+AR5112
Memory	32MB SDRAM
Flash	8MB
Physical Interface	One 10/100 Fast Ethernet RJ-45 Reset Button Antenna Switch (Internal and External Switch) 2 x RP-SMA Connector (One is for 2.4GHz and another is for 5GHz) Power/ StatusLAN (10/100Mbps)•WLAN (Wireless is up)
LED Indicators	3x Link Quality (Client Bridge mode) Green: Excellent Quality Yellow: Good Quality Red: Poor Quality
Power Requirements	Active Ethernet (Power over Ethernet) Proprietary PoE design Power Adapter 24V / 1A DC
Regulation Certifications	FCC Part 15C/15B/15E, EN301 893, EN 300 328, EN 301 489-1/-17, EN60950, IC Certification



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Software Features

Topology	Infrastructure
Protocol / Standard	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.11b/g (2.4GHz WLAN)
Operation Mode	802.11 a/b/g: Access Point/Client Bridge/Client Router
LAN	DHCP Server DHCP Client
VPN	VPN pass-through Channel Selection (Setting varies by countries) Transmission Rate 11a/b/g: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps
Wireless	Long distance transmission: 1km to 30km (Ack timeout) Transmit power table Signal Strength indication using LEDs PPPoE (CR mode) Preferred SSID
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 Hide SSID in beacons MAC address filtering, up to 50 field Wireless STA (Client) connected list
QoS	WMM



ALL0258

RF Specification

Frequency Band	802.11a: 5.150~5.350GHz, 5.470~5.725GHz, 5.725~5.825GHz 802.11 b/g: 2.412~2.472GHz
Modulation Technology	OFDM : BPSK, QPSK, 16-QAM, 64-QAM DSSS: DBPSK, DQPSK, CCK
Operation Channels ¹	802.11a: 21 for North America 802.11 b/g: 11 for North America, 14 for Japan, 13 for Europe IEEE802.11a: -92dBm @ 6Mbps • -73dBm @ 54Mbps

FCC

ETSI

	Frequency	Power	Frequency	Power
Avaivable transmit power	5.150~5.350 GHz	26dBm@6~24Mbps	5.150~5.350 GHz	26dBm@6~24Mbps
	IEEE802.11a	24dBm@36Mbps	IEEE802.11a	24dBm@36Mbps
		24dBm@36Mbps		22dBm@48Mbps
		20dBm@54Mbps		20dBm@54Mbps
(Average Power)	5.470~5.725 GHz	26dBm@6~24Mbps	5.470~5.725 GHz	26dBm@6~24Mbps
	IEEE802.11a	24dBm@36Mbps	IEEE802.11a	24dBm@36Mbps
		22dBm@48Mbps		22dBm@48Mbps
		20dBm@54Mbps		20dBm@54Mbps
	5.725~5.825 GHz	26dBm@6~24Mbps	5.725~5.825 GHz	26dBm@6~24Mbps
	IEEE802.11a	24dBm@36Mbps	IEEE802.11a	24dBm@36Mbps
		22dBm@48Mbps		22dBm@48Mbps
		20dBm@54Mbps		20dBm@54Mbps
	2.412~2.462 GHz	26dBm@6~24Mbps	2.412~2.472 GHz	26dBm@6~24Mbps
	IEEE802.11g	24dBm@36Mbps	IEEE802.11g	24dBm@36Mbps
		23dBm@48Mbps		23dBm@48Mbps
		22dBm@54Mbps		22dBm@54Mbps
	2.412~2.462 GHz	27dBm@1~11Mbps	2.412~2.472 GHz	27dBm@1~11Mbps
	IEEE802.11b		IEEE802.11b	
	Gain		5dBi	13dBi
	Radiation		Directional	Directional
Internal Antenna	Frequency Band Range		2.4-2.5GHz	5.1-5.8GHz
	Horizontal -3dB		40o	42o
	Bandwidth			
	Vertical -3dB Bandwidth		40o	21o
External Antenna	2 x RP-SMA Female connector (for 2.4GHz and 5GHz individually)			



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Management

Configuration	Web-based configuration (HTTP)
Firmware Upgrade	Upgrade firmware via web-browser Keep latest setting when f/w update
Administrator Setting	Administrator password change
Reset Setting	Reboot (press 1second) • Reset to Factory Default (press 5 second)
System monitoring	Status, Event Log
SNMP	v1, v2c
MIB	MIB I, MIB II (RFC1213)
Backup & Restore	Settings through Web
Time setting	NTP (Auto-setting of time) Time setting manually

ENVIRONMENT & PHYSICAL

Temperature Range	Operating: -20°C to 70°C (-4°F to 158°F) Storage: -30°C to 80°C (-22°F to 176°F)
Humidity (non-condensing)	0% ~95% typical
Dimensions	L: 10.24" (260mm) x W: 3.31" (84mm) x H: 2.17" (55mm)
Weight	0.66 lb. (300g)