



AirPro AIR LAKSHYA 300Mbps high power outdoor AP/Client Comply with IEEE 802.11b/g/n standard, with atheros chipset, 14dBi high gain antenna, 1000mW high power, the transmit/receive wireless distance can be 4000 meters. It support Wireless AP, Client operation mode, receive and transmit Wi-Fi signal in long range. Outdoor casing is ABS waterproof, dustproof and sunscreen shell, temperature adaptive and board protective.

Meantime, it support Power over Ethernet, support passive / 802.3af PoE, easy in setup even no power socket nearby. With LED light show signal strength, easy to find a suitable place for outdoor CPE, save much human work and cost. With water proof case, it is best choice for outdoor Wi-Fi projects.

Key Features

- ❖ *High Power 300Mbps AP/Client*
- ❖ *14dBi antenna*
- ❖ *WPA/WPA2 encryptions for defence against security threats*
- ❖ *Seamlessly compatible with 802.11b/g/n devices*
- ❖ *Supports 24V/1A PoE*
- ❖ *Compatible with Major Base station in Client Mode.*

Specifications

Hardware

Wireless	802.11N, 2T2R 300M MIMO Technology
Memory	64MB DDR2 RAM (128MB optional)
Flash	8MB(16MB optional)
Interface	2 10/100 Mbps RJ45 Port, support 12~24V PoE
	1 Reset Button
	1 DC Jack, 12V Power Supply
Antenna	14dBi Panel Antenna
LED Light	POWER WI-FI WAN LAN S1(GPIO9) S2(GPIO14) S3(GPIO11) S4(GPIO12)
Size	L 257mm , W: 87mm, H: 38 mm
Power	POE 24V/1A

RF Data

RF Data	802.11b/g/n:		
	2.4~2.4835GHz		
	Korea Japan, ETSI, FCC		
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM		
	DSSS = DBPSK, DQPSK, CCK		
Data Rate	300 Mbps		
Receive Sensitivity	802.11n(2.4GHz)	802.11g	802.11b
	-90dBm @ MCS0	- 90dBm @ 6Mbps	- 95dBm @ 1Mbps
	-72dBm @ MCS7	- 72dBm @ 54Mbps	- 90dBm @ 11Mbps
	-90dBm @ MCS8		
	-68dBm @ MCS15		
RF Output Power			

	802.11n(2.4GHz)(± 1.5dBm)	802.11g(± 1.5dBm)	802.11b(±1.5dBm)
	28dBm@ MCS0~2/MCS8~10	28dBm @ 6~24Mbps	28dBm @1~11Mbps
	28dBm @ MCS3/MCS11	27dBm @ 36Mbps	
	27dBm @ MCS4/MCS12	27dBm @ 48Mbps	
	27dBm @ MCS5/MCS13	26dBm @ 54Mbps	
	26dBm @ MCS6/MCS14		
	26dBm @ MCS7/MCS15		

Software

Operation Mode	Wireless AP, Client
Protocol/Standard	IEEE 802.3(Ethernet)
	IEEE 802.3u(Fast Ethernet)
	IEEE 802.11b/g/n(2.4G WLAN)
Wireless	Auto-Channel selection
	Distance Control (802.1x Ack timeout)
	Multiple SSID (4 SSID)
	BSSID
Security	WEP Encryption-64/128/152 bit
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
	Hide SSID
System Setting	Web-based configuration (HTTP/Telnet)
Firmware upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured
System monitoring	Status in hand , useful statistic and Event log
Log	Supports local logs, logs host, logs file export
Reset	Reset or factory defaults
Backup	Restore settings & configuration of the device to local file

Physical Property

Temperature	Working: 0°C~55°C
	Storage: -20°C to 70°C
Humidity	5%~95% (typical)

Antenna Data

Frequency range (MHz)	2400~2500
Polarization	Vertical and Horizontal
Gain (dBi)	2×14
Half-power beam width (°)	H: 65 V: 30
Front-to-back ratio (dB)	≥25
Input Impedance (Ω)	50
VSWR	≤1.5
Isolation between ports	≥28dB
Cross-polar ratio	≥15dB@0° ≥10dB@+/-60°
Side lobe suppression for first side lobe above horizon	15 dB
Maximum input power (W)	200

Package Contents

- AIR LAKSHYA Unit
- PoE Adapter 24V/1A
- User Manual
- LAN Cable & Clamp