

# AIRBOX 5

802.11a/n • 150Mbps CPE

AIRBOX 5 is a perfect, low cost and powerful device for end-users using point-to-multipoint architecture at 150 Mbps in 5.8GHz ISM unlicensed band. Wireless data links take place where there is no infrastructure for internet access or in places where bandwidth offered by current channels is too low. With AIRBOX 5 you can get high bandwidth on very long distances at a very reasonable price. AIRBOX 5 provides various features including Routing, Firewall NAT, DHCP, bandwidth control and many more.

The AIRBOX 5 is the most comprehensive wireless solution, which includes powerful wireless router with Power over Ethernet (PoE) feature, all embedded in high-gain directional antenna. Flat Panel Antenna offers wide territorial coverage with no signal waste and the Power over Ethernet injector provides the possibility to deliver both necessary power and data to your router (which is attached to the antenna) over a single Ethernet cable.



## Features:

- Cost effective solution
- Complete Outdoor Weatherproof Solution
- All-in-One Wireless CPE device
- Power over Ethernet included
- Web Management and SNMP support
- High-speed wireless data links (Up to 150Mbps)
- Firewall, NAT, IP Routing, DHCP
- Bandwidth control
- High level security WEP/WPA/WPA2 Encryption
- WDS - Wireless Distribution System
- Antenna Alignment and Wireless Site Survey
- Fast and simple installation for base station and Clients

## Applications:



# AIRBOX 5

## Specifications:

Model	AIRBOX 5
Ethernet Port	10/100Base-T(RJ-45)
Operating Frequency / Channel	5.180GHz - 5.825GHz (* )Programmable for different country regulations
RF Modulation	802.11 a/n: OFDM
RF EIRP	27dBm
Sensitivity	<b>802.11a:</b> 54Mbps@-77dBm, 48Mbps@-79dBm, 36Mbps@-83dBm, 24Mbps@-86dBm, 18Mbps@-91dBm, 9Mbps@-93dBm, 6Mbps@-94dBm <b>802.11n:</b> 150Mbps@-93dBm, 121.5Mbps@-76dBm, 108Mbps@-77dBm, 81Mbps@-77dBm, 54Mbps@-84dBm, 40.5Mbps@-88dBm, 27Mbps@-91dBm, 13.5Mbps@-93dBm
Data Rate	<b>802.11a:</b> 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps <b>802.11n:</b> MCS0, MCS2, MCS3, MCS4, MCS5, MCS6, MCS7
RF Operating Mode	Access Point (bridge or router function) AP Client (bridge or router function) Station / Client (bridge or router function) Repeater (bridge function) WDS (bridge function)
Data Security	WEP 64/128/152 - bit Mac Address Filtering IEEE 802.1x—TLS, TTLS, PEAP WPA-PSK y WPA-EAP, WPA2 (with AES encryption technique)
Network Advanced Features	Transparent Bridging Layer 2 (Mac Address) Forwarding Layer 3 (IP Address) Forwarding Static Routing DHCP Server y Client PPPoE Client Advance Statistics Graphical User Interface Monitor Utilities (Ping)
Link parameters	Antenna alignment and RSSI Signal levels Site Survey Radio and Ethernet Traffic Statistics
Management	Web
Power	Passive PoE 12V
Dimensions	25cm x 8.5cm x 6cm
Weight	0.4Kg complete set
Humidity	Operating: 10%-90% non-condensing ; Storage: 5%-95% no condensing
Temperature	Operating: -30°C – 70°C ; Storage: -40°C – 80°C
Compliant	FCC Part 15 class B, CE Mark, ETSI 300 328

Antenna Characteristics	AIRBOX 5
Gain	15 dBi
Frequency Range	5.180 - 5.825GHz
Horizontal -3dBm Beam width	60°C
Vertical -3dBm Beam with	14°C
Polarization	Single Polarity H& V

## Ordering Information:

- AIRBOX 5 AIRNET 150 Mbps 5GHz 802.11a/n High Power Wireless Outdoor CPE