

JALO Outdoor Model 500series Broadband Wireless Solution

<p>The 500series is the essence of connection to Wireless Outdoor Network. Compact and Light Equipment with adjustable upto 500mW Output Power , Fast data speeds , Easy to install and Reliable Access. 500series offers Integrated and connectorized models. Interconnectable to the existing 10/100Mbps Local Area Network (LAN). For networking it is the ideal mechanism to deliver broadband access to corporates, telcos, ISPs, residential users, SOHOs and SMEs customers. It supports two operational modes, the AP mode and the CPE mode, respectively. Built-in remote management features simplify the deployment and reduce the Total Cost of Ownership and Operational Maintenance</p>	<ul style="list-style-type: none"> • Flexible and Customizable Hardware & Software • Weather-Proof Non-metal Enclosure • Upto 500mW Output Power • Dual Function Support • Remote Management • MIB II support • Power over Ethernet (PoE) • Integratable in MESH system • Wifi Corporate and ISP Infrastructure
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Operational	
WLAN	IEEE 802.11b/g
Radio Scheme	802.11g:OFDM (64QAM, 16QAM,QPSK,BPSK) 802.11b: DSSS (CCK, DQPSK, DBPSK)
Frequency Range	2.300 Ghz ~ 2.500 Ghz (Country dependent)
Receive Sensitivity	802.11g: -75 +/- -2dBm @54Mbps 802.11b: -90+/- -2dBm @11 Mbps
Data Rate	802.11g: 54/48/36/24/12/9/6 Mbps 802.11b: 11/5.5/2/1 Mbps
RF Output Power	802.11b: 27dbm @11 BMbps @ 11Mbps 802.11g: 27dBm (6-24Mbps) 26dBm(36Mbps), 24 dBm (48 Mbps) 23 dBm (54 Mbps)
Operating Mode	Access Point AP Client (Ethernet-WLAN Bridge) WDS (Wireless Repeater, PtP, PtMP Bridge) Wireless Router AP Client with Routing Function (WISP Mode)
Software Supported	OpenWRT, DD-WRT, Open-Mesh
Power over Ethernet (POE)	18V / 24 VDC
Electrical	
Input Voltage	9V – 52V
Power Consumption	4 W max
Mechanical	
Weight	< 1Kg
Chipset	Atheros, AR2315
Processor Speed	183 MHz

Antenna Connector	External port MMCX/SMA/N or embedded 10dBi antenna
I/O	2x 10/100 TX
Memory	32MB SDRAM
Flash	8 MB
Others Features	Push Button Reset LED Indicators
Environmental Operating Parameters	
Temperature	-25 ^o C to +65 ^o C
Humidity	20% to 90% (non condensing)
Storage Parameters	
Temperature	-40 ^o C to +85 ^o C
Humidity	5% to 95% (non condensing)



Chipset and RF Design



Distributor