

JALO Outdoor Model 1000 MESH Broadband Wireless Solution

<p>The 1000series is the essence of connection to MESH Wireless Outdoor Network. Metropolitan Area Network (MAN) Dualband Frequency, Compact and Light Equipment with adjustable upto 500mW Output Power , Fast data speeds , Easy to install and Reliable Access. 1000series offers Omnidirectional 360deg and sectorized CPE 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 Opex.</p>	<ul style="list-style-type: none"> • Metropolitan Area Network (MAN) MESH • Weather-Proof Non-metal Enclosure • Upto 500mW Output Power • Dual Function Support • Remote Management • Dualband Frequency 2.4GHz and 5GHz • Power over Ethernet (PoE) • Integratable to other MESH system • Carrier Class MESH Network
---	--

Operational	
Standard	IEEE 802.11b/g
Radio Scheme	802.11g:OFDM (64QAM, 16QAM,QPSK,BPSK) 802.11b: DSSS (CCK, DQPSK, DBPSK)
Frequency Range	2.4Ghz / 5GHz Dualband Frequency
Receive Sensitivity	802.11g: -75 +/-2dBm @54Mbps 802.11b: -90 +/-2dBm @11 Mbps 802.11a: -72 +/-2dBm @54Mbps
Data Rate	802.11g: 54/48/36/24/12/9/6 Mbps 802.11b: 11/5.5/2/1 Mbps 802.11a: 54/48/36/24/18/12/6 Mbps
RF Output Power	802.11b/g: 28dbm @ 11/54Mbps 802.11a: 28dBm @54Mbps
Operating Mode	MESH Point MESH Client WDS Wireless Router AP Client with Routing Function
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, ARM920 RISC
Processor Speed	400 MHz
Antenna Connector	N-type External port to Antenna

I/O	2x 10/100 TX
Memory	32MB DDR RAM
Flash	8 MB
Others Features	Push Button Reset LED Indicators
Environmental Operating Parameters	
Temperature	-25 ⁰ C to +65 ⁰ C
Humidity	20% to 90% (non condensing)
Storage Parameters	
Temperature	-40 ⁰ C to +85 ⁰ C
Humidity	5% to 95% (non condensing)



Chipset and RF Design



Physical Display