

MESH-Smart

MESH-Smart is a 2.4GHz, 802.11b/g, single radio MESH solution, 2 x SSID, Time Division.

Suitable for mobile, outdoor and indoor applications: city area, community, campus, park, camp, hotel, mall, condo, offices...



MESH-100 (100mW)



MESH-500 (500mW)

Features

- Cost-effective MESH solution
- Single radio, 2 x SSID, time division for backhaul & AP operations simultaneously
- Auto Connection for Better Signal Route
- Auto redundancy basing on auto best route connection
- True weather proof for outdoor and indoor application
- WMM option: Enhance user performance and density QoS, supporting bandwidth priority to voice (VOIP) and image (surveillance/IPTV)
- Easy to Configure by @MESH AP Manager
- Operation Range: MESH-100: 250m, MESH-500: 500m

Specification

Standards Compliance	IEEE802.11b/g, IEEE 802.3, IEEE 802.3u
SDRAM	16 M Byte
Flash	8 M Byte
Radio Frequency Type	DSSS / OFDM
Modulation	IEEE802.11b: CCK, DQPSK, DBPSK IEEE802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency Band	America/FCC: 2.412~2.462 GHz (11 channels) Europe CE/ETSI: 2.412~2.472 GHz (13 channels)
Transmission Power	@MESH 100: 20dBm±2dBm @MESH 500: 27dBm±2dBm
Transmission Rate	IEEE 802.11b: 1/ 2/ 5.5/ 11 Mbps IEEE 802.11g: 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54 Mbps
Access Point Interfaces	Auto MDI/MMDI-X Ethernet 10/100Base-TX: RJ-45
Sensitivity	IEEE 802.11b: -85dBm @ 11Mbps, PER < 8% IEEE 802.11g: -64dBm @ 54Mbps, PER < 10%
Antenna Type	N-type male for external high gain antenna
Security Systems	64-bit/128-bit WEP encryption; Wi-Fi Protected Access (WPA), WPA-PSK(TKIP/AES), WPA-EAP WPA2-PSK(TKIP/AES), WPA-EAP
Wireless Setting	Operation Mode – AP+Mesh / AP+STA / AP Channel Selection (Setting varies by Country) Adjustable transmit power by 1dBm step
Software/Firmware	Web-based configuration via popular browser (MS IE, Netscape...) Windows “@Mesh” Manager utility Firmware upgrade via Web Reset to default by WebUI TFTP/HTTP download Event Log Support QoS(WMM) Support Time settings
Operating Environment	Operating Temperature: -20 ~ +70°C
Power	DC 48 Volt ± 5%; 0.4A (Max.); AC adapter AC 100V ~ 240V
Network Management System Browser Support	Windows 2000/ XP/ Vista
Warranty	One year limited

Standard Accessories



25M Cable



CAT5/ 2M Cable



Bracket



PoE & Power Cord



5dBi ANT (Optional)



7dBi ANT (Optional)

MESH AP Manager

Discover
5 Mesh APs found.
Login Password *****

MAC Address	Host Name	IP Address	Mesh ID / ST...	AP ESSID	C...	M...	Operation
00:23:28:00:A5:16	Villa3117	192.168.1.12	Mesh	OneWirele...	11		AP+Mesh
00:23:28:00:A5:40	Villa3107	192.168.1.13	Mesh	OneWirele...	11		AP+Mesh
00:23:28:00:A5:1C	FiberMesh...	192.168.1.10	Mesh	OneWirele...	11		AP+Mesh
00:23:28:00:A4:18	Villa3148	192.168.1.11	Mesh	OneWirele...	11		AP+Mesh

Mesh AP Settings

MAC Address 00:23:28:00:A5:16
Host Name Villa3117
IP Address 192.168.1.12

Mesh ID Mesh
AP ESSID OneWirelessMe
Mesh Key

Operation AP+Mesh
Channel 11

Map
Change
Change All

Neighbor Mesh AP Signal

IP Address	MAC Address	RSSI	Poor	Good	Excellent
	00:23:28:00:A4:18	40			
	00:23:28:00:A5:1C	37			
	00:23:28:00:A5:40	38			
	00:23:28:00:A5:1E	31			

Version

Auto Refresh

Exit

1/7/2009 7:25 PM

 Mesh AP Manager

5 Mesh APs found.

Login Password *****

MAC Address	Host Name	IP Address	Mesh ID / ST...	AP ESSID	C...	M...	Operation
00:23:28:00:A5:16	Villa3117	192.168.1.12	Mesh	OneWirele...	11		AP+Mest
00:23:28:00:A5:40	Villa3107	192.168.1.13	Mesh	OneWirele...	11		AP+Mest
00:23:28:00:A5:1C	FiberMesh...	192.168.1.10	Mesh	OneWirele...	11		AP+Mest
00:23:28:00:A4:18	Villa3148	192.168.1.11	Mesh	OneWirele...	11		AP+Mest

Mesh AP Settings

MAC Address

00:23:28:00:A5:16

Mesh ID

Mesh

Operation

AP+Mesh

Map

Host Name

Villa3117

AP ESSID

OneWirelessMe

Channel

11

IP Address

192.168.1.12

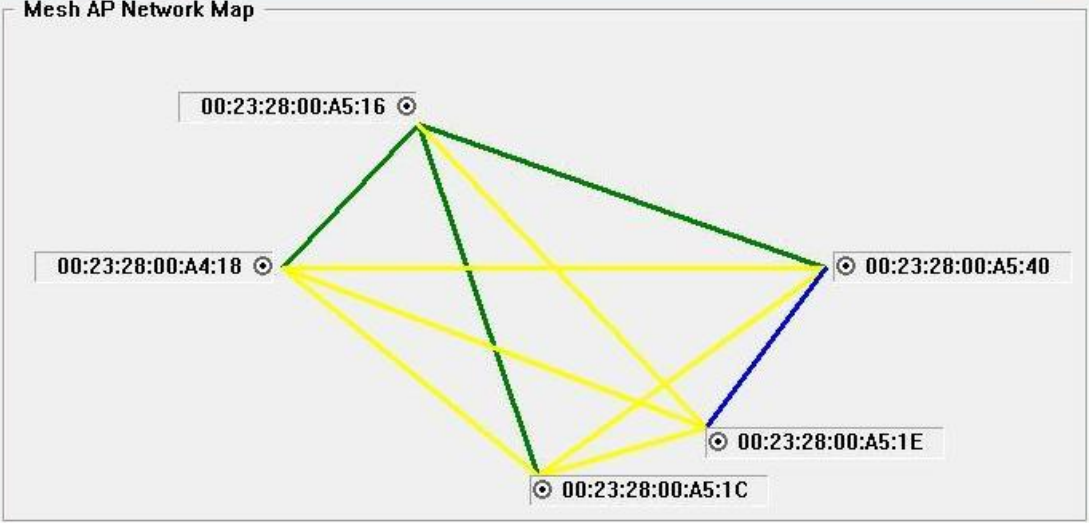
Mesh Key

Change

Change All

Mesh AP Network Map

Mesh AP Network Map



Green : Excellent

Yellow : Good

Blue : Poor

Back