

AN8205

Outdoor Mesh Access Point



Features

- Cost-Effective
- Easy for Installation
- High Performance
- Auto Connection for Better Signal Route
- Easy to Configure by @MESH AP Manager

* Antenna Sells Separately*

The screenshot displays the Mesh AP Manager software interface. At the top, there is a 'Discover' button and a status bar indicating '5 Mesh APs found.' A 'Login Password' field is set to '*****'. Below this is a table listing the discovered APs:

MAC Address	Host Name	IP Address	Mesh ID / ST...	AP ESSID	C...	M...	Operation
00:C0:CA:80:0E:C0	Mesh100	172.168.2.100	Mesh	Mesh	11		AP+Mesh
00:C0:CA:80:F6:EC	Mesh101	172.168.2.101	Mesh	Mesh	11		AP+Mesh
00:C0:CA:81:B8:78	Mesh104	172.168.2.104	Mesh	Mesh	11		AP+Mesh
00:C0:CA:81:38:00	Mesh103	172.168.2.103	Mesh	Mesh	11		AP+Mesh

Below the table is the 'Mesh AP Settings' section, which includes fields for MAC Address (00:C0:CA:80:0E:C0), Host Name (Mesh100), IP Address (172.168.2.100), Mesh ID (Mesh), AP ESSID (Mesh), Mesh Key, Operation (AP+Mesh), and Channel (11). There are 'Map', 'Change', and 'Change All' buttons.

The 'Neighbor Mesh AP Signal' section shows a table with columns for IP Address, MAC Address, RSSI, and signal quality indicators (Poor, Good, Excellent). A bar chart shows the signal strength for the neighbor with MAC address 00:C0:CA:81:38:00, with an RSSI of 55.

The 'Mesh AP Network Map' window shows a network diagram with five nodes connected in a mesh topology. The nodes are labeled with their MAC addresses: 00:C0:CA:80:0E:C0, 00:C0:CA:81:38:00, 00:C0:CA:80:F6:EC, 00:C0:CA:80:44:D8, and 00:C0:84:81:B8:78. An 'Internet' cloud is connected to the top node. A legend at the bottom indicates: Green : Excellent, Yellow : Good, Blue : Poor. A 'Back' button is also present.

For further details:

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Specification

Standards Compliance	IEEE 802.11b/g IEEE 802.3 IEEE 802.3u
SDRAM	32 MB
Flash	8 MB
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	19dBm±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 18 V, 1A ; AC adapter AC 100V ~ 240V
Network Management System OS Support	Windows 2000/ XP/ Vista
Warranty	One year limited

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