

M-Cube Access Point

AP/Hotspot/Repeater

Ya Batho' M-Cube AP/Hotspot/Repeater is designed to support 802.11ac and 1GB fast Ethernet for high-power access point, hotspot and repeater applications. A powerful end-to-end system for a wireless Internet network can be built. The simplicity of use of the M-Cube platform allows operators to bring networking services to their customers. The M-Cube platform is available in single or dual radio configuration, support MIMO 2.4 GHz or 5.8 GHz Combination radio cards.



Technical Information

Ethernet	2 x Gigabit LAN RJ45 with Auto-MDI/X, Integrated 48V IEEE 802.3af/at Power Over Ethernet
Networking	Bridging mode, NAT gateway, static routing, DHCP client, DHCP server, VLAN, IEEE 802.1Q, SSID-based tagging, PPPoE, DDNS, STP, QoS, IPv6
Wireless	802.11a/b/g/n/ac (2.4/5.8 GHz). Three SSIDs per interface, AP/Station mode, WDS, WEP, WPA, WPA2 encryption. Adjustable RF TX power and data rate. Hotspot: RADIUS authentication
Management	HTTP/HTTPS web configuration interface, TELNET, SNMPv2, remote syslog, local event log. Bandwidth control with upload/download rates. Configuration backup and restore, web-based firmware upgrade. Serial port rescue console.
Security	IP Address, MAC address and SSID filtering firewall, 802.1x
Operating System	Linux 2.6.x kernel

Hardware Specifications

CPU	Qualcomm Atheros AR9344 MIPS 74Kc 560MHz CPU
Memory	128MB DDR2
NOR Flash	16MB
Ethernet	2x Gigabit Ethernet Port (Auto MDI-X)
Wireless Interface	Built in 2.4GHz 802.11b/g/n at 26dBm (aggregate) 2x U.FL connectors
LED Indicators	6 x LED Indicators LED 14 Pin
Power	Passive PoE 24V (LV version), Passive PoE 24-56V or IEEE 802.3af/at PoE (HV version)
Power Consumption	7W Max
Dimensions	235 mm x 235 mm x 70 mm
Weight	3,3 kg
Environmental	Temperature: Operating: -20°C to 70°C, Storage: -40°C to 90°C Humidity (non-condensing): Operating: 5% to 95%, Storage: Max. 90%
Mounting	For both wall and pole mount

Certifications

ICASA Type Approval	TA-2017/2468
EMC Approval	SANS/IEC 61000-4-2,3,4,5,6,8,9,11, SANS/IEC 61000-3-3, SANS 211/CISPR 11

