

# M-Cube Integrated AP

## 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.



### 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 Operating System	IP Address, MAC address and SSID filtering firewall, 802.1x 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	210 mm x 285 mm x 135 mm – including antennas and quick disconnect coupler
Weight	9,6 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, SANS 211/CISPR 11, ISO 7637-2 (2011)
MASC Approval	MASC M/17-1837X
DMR Approval	Yes

