



MC-802 Wireless WallPlate

micro-cell wireless architecture designed for
hospitality, healthcare, and MDU



MC-802 Wireless WallPlate

- *micro-cell architecture*
- *Analog telephone pass-thru*
- *automatic RF management*
- *Remotely powered by ALP*

The new Motorola MC-802 Wireless WallPlate is a plug-n-play wireless AP powered over telephone wires. Designed to increase wireless coverage by deploying multiple low-powered wireless cells in MDUs such as hotels and hospitals. MC-802 can be installed over any telephone jack using only a single pair of wire for backhaul.

Common Problems ... eliminated by the MC-802

Placing wireless APs in hallway corridors is disruptive and time consuming due to lack of available backhaul and power. Hard-cap ceilings and concrete construction makes installation of Cat-5 structured wiring prohibitively expensive.

RF energy is reflected and obstructed by fire-rated doors and walls, steel construction, elevator shafts, and mirrors.



Install MC-802 in the hotel guestroom where backhaul wiring is already located, saving up to 80% on installation cost.



MC-802 puts the RF energy on the "guest side" of the obstructions - right where it is needed.

Seamless Design

Motorola's patented Adaptive Line Power (ALP) delivers operating power to the MC-802 over analog telephone service. Neutral colored wall plate snaps-on over the existing RJ11 telephone jack - converting it into a tamper proof wireline/wireless access point.

Micro-cell Mgmt

MobilityDuo software running on the T3 PowerBroadband Switch manages firmware and automatic radio configuration including dynamic power control and 802.11 channel selection. Continuous RF monitoring, rogue AP detection, self-healing configuration maintain high network availability.

Enterprise Class

Enterprise class features; per-SSID VLANs, QoS, authentication and encryption. CLI, intuitive webUI, SNMPv2C, ACLs, mgmt VLAN, and a network Node Viewer application..

SPECIFICATION SHEET

MC-802 Wireless WallPlate

MC-802 Specification

Ports	
Wireless Interface:	802.11b/g, via 2.4GHz radio frequency
Ethernet:	IEEE 802.3 Type 10BT, 100BTX, via RJ45
Backhaul:	Programmable QAM modulation, per line rate adaptation, via RJ11
Pass-through:	Integrated analog POTS splitter, via RJ11
Wireless Specs	
Modulation:	DSS, OFDM
Media Access Protocol:	CSMA/CA
Data Rates:	1 to 54Mbps, rate scaling
Receiver Sensitivity:	(-70dBm at 54Mbps, -90dBm at 1Mbps)
Transmit Power settings:	up to 20dBm
Antenna diversity:	Two internal omni-directional, 3.2dBi
Status LEDs:	Ready (power up initialized), Status (wlan), Link (Backhaul)
BSS:	16 BSSIDs (16 MACs)
Per Virtual AP:	SSID, authentication, encryption, bitrate, VLAN ID, beacon en/disable, client isolation
QoS:	WMM Power Save, WMM Priority IP TOS/DSCP
Security	
Secure management access through T3 PowerBroadband Switch	
WEP static, WEP Dynamic (802.1x)	
WPA/TKIP Personal and Enterprise	
WPA2/TKIP/AES Personal and Enterprise	
EAP types: TLS, TTLS, PEAPv0, MD5	

Power	
100 – 240VAC, 50/60Hz; 250 Watts max on the PowerBroadband Switch with 25 WallPlates powered at 1,000ft (300m)	
Physical	
6.75" x 3.75" x 1.75" (17cm x 9.5cm x 4.4cm). 12oz (0.34Kg)	
Environmental	
0 - 40 degrees Celsius, 5% to 90% NC	
Mounting	
Integrated mounting tabs Optional RJ11 wall plate bracket	
Compliance	
Radio:	FCC 15.247/ETS 300 328, 2.4Ghz
Safety:	CE, TUV EN60950, ANZ C-Tick
Emissions:	FCC Part15A, EN 5022: 1994/A1:1995/A2:Class A EN 55024:1998:Class A
Immunity:	CE, CISPR 22
RoHS:	RoHS 2002/EC/95

Performance Chart

Distance	Line Rate
500 ft (150m)	75Mbps down /10Mbps up
1000 ft (300m)	75Mbps down /10Mbps up
1500 ft (450m)	60Mbps down /10Mbps up
2000 ft (600m)	50Mbps down /10Mbps up

Ordering Information

Part Number	RoHS	Description
557925-001-00	yes	MC-802 Wireless WallPlate. One 802.11b/g radio, two 10/100Mb ports, passthrough analog telephone port. Operates up to 1,000ft (300m) over single wire pair
558975-001-00	yes	5 port T3 PowerBroadband Switch with MobilityDuo software. 25 x downstream UTP ports, 2 x GigE uplink Ethernet ports. Compatible with all T2 Ethernet WallPlates and MC-802 Wireless WallPlate.



T3 PowerBroadband Switch

2 x RJ45, 10/100/1000Mbps
2 x RJ21, female telco
1 x dB9, female console port



MC-802 Wireless WallPlate

1 x 802.11b/g radio
2 x RJ45, 10/100Mbps
1 x RJ11, line in
1 x RJ11, filtered phone



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