



MC-802 Wireless WallPlate

micro-cell wireless architecture

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.



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.

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

Seamless Design

Motorola's patent pending 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

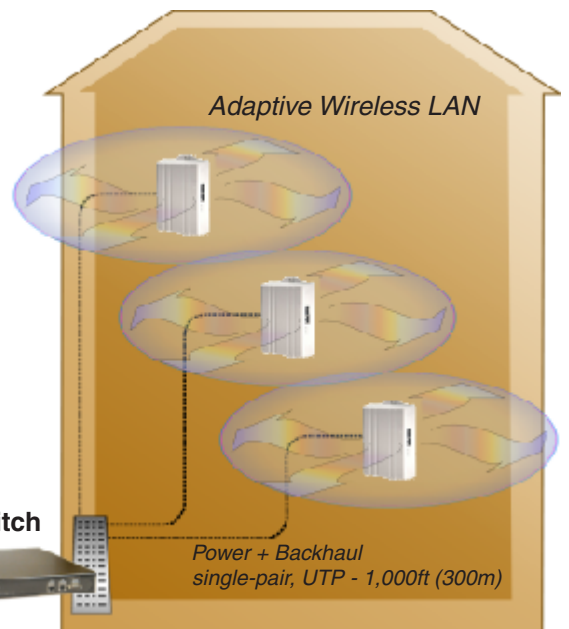
Enterprise class features; per-SSID VLANs, QoS, authentication and encryption. CLI, intuitive webUI, SNMPv2C, ACLs, mgmt VLAN, and a network Node Viewer application..



MC-802 Wireless WallPlate

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

T3 PowerBroadband Switch



DATA SHEET

MC-802 Wireless WallPort

MC-802 Wireless WallPlate

Performance Chart

Distance	1-pair
500ft (150m)	75/10
1kft (300m)	75/10
1.5kft (450m)	60/10
2kft (600m)	50/10

MC-802

2 x RJ45, 10/100Mbps
1 x RJ11 Line In
1 x RJ11 filtered phone port
1 x 802.11 b/g radio



T3 PowerBroadband Switch

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



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

Modulation: DSS, OFDM
Media Access Protocol: CSMA/CA
Data Rates: 1 to 54Mbps
Receiver Sensitivity: (-70dBm at 54Mbps, -90dBm at 1Mbps)
Transmit Power settings: up to 20dBm
Antenna diversity: two internal omni-directional antennas
Status LEDs: Ready (power up initialized), Status (wlan), Backhaul link
Rogue AP detection and reporting
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
IPTOS/DSCP, 802.1P

Security

Secure management access through T3 PowerBroadband Switch
Per SSID Client to client isolation
IEEE 802.11i WPA2 with AES and TKIP WPA, WEP
IEEE 802.1x with MD-5, TLS, PEAP/AES/TKIP

Power

100 – 240VAC, 50/60Hz; 250 Watts max on the PowerBroadband Switch with 25 WallPlates powered at 1,000ft (300m)

Physical

5"() x 3" () x 1.5" (). lbs (Kg)

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
Safety: UL, CE, C-Tick
Emissions: FCC/EN
Immunity: CE, CISPR
RoHS: RoHS 2002/EC/95

Ordering Information

Model Number	RoHS	Description
45010	yes	MC-802 Wireless WallPlate. One 802.11bg radio, two 10/100Mb port, passthrough analog telephone port. Operates up to 1,000ft over single wire pair.
45225	yes	25 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.



MOTOROLA

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