

M4.4010

Mesh Repeater (MWR)

The MESH4G™ Repeater is a small, low-cost, wireless device that is primarily deployed to guarantee wireless coverage in large geographic areas, campuses or inbuilding applications.

It enables non-line-of-sight communications between Clients and MESH4G™ Access Point (M4.4000), in a MESH4G™-Enabled mobile broadband network.

MESH4G™ Repeaters are typically used to seed new network deployments to ensure sufficient coverage while the client population is growing.

MESH4G™ Repeaters Also Provide:

- Range extension between the client and MESH4G™ Access Points
- Fixed reference points for geo-location services
- Provide coverage in hotspot/in-building applications

Easy to Install and Deploy

MESH4G™ Repeaters are designed to mount on utility poles, billboards, buildings, etc. Simple mounting hardware and a plug-in power connection speeds deployment - no special training or skills are required. They automatically power-up and integrate into the network. No manual provisioning or configuration is needed.



Compact & Low Cost

MESH4G™ Repeaters use the same transceiver technology developed for client PC cards. This creates a compact, low-cost solution for range extension and non-line-of-sight operation.

Over-the-Air Software Updates

New features and services can be added to NOW Wireless's MESH4G™ Repeaters via over-the-air software downloads.

Automatic Network Balancing

NOW Wireless's MESH4G™ Repeaters intelligently balance traffic between client demand and network resources. Clients are routed around local congestion, while Multi-Hopping™ technology enables capacity from distant access points to be "moved" to exactly where it is needed. Network resource utilization is continually optimized, reducing network and operational expenses.

Metropolitan Wireless

Enables Non-Line-of-Sight Networking

NOW Wireless's MESH4G™ Repeaters enable non line-of sight communications between clients and MESH4G™ Access Points, as well as between clients in peer-to-peer networking mode. MESH4G™ Repeaters act as hopping points for any transmission, and work in concert with Mesh4G Access Points to form a distributed network infrastructure.

Supports End-to-End Industry Standard IP

As part of NOW Wireless MESH4G™ Broadband solution, MESH4G™ Repeaters transparently support industry standard IP protocols, applications and devices.

M4.4010 SPECIFICATIONS:

GENERAL INFORMATION

- Data Rate >
1.5 to 6 Mbps burst, depending on configuration
- Certifications >
US-FCC Part 15
- Power Consumption >
10W Maximum at 120v AC
- Power Requirements >
90-264v AC
47-63 Hz Single Phase
- Power Cord >
NEMA 5-15 Power Cord (6ft)

RADIO

- Output Power >
Up to 22 dBm
- RF Modulation >
QCMR
- Operating Frequency >
2.4 GHz - 2nd ISM band
- Antenna Type >
Omnidirectional 7.5 dBi
- Antenna Connector >
N-Type

ENVIRONMENTAL

- Temperature Range >
-35 to 55 °C
- Humidity >
0-100%

PHYSICAL

- Dimensions >
6.25" x 6.25" x 4"
(without antenna)
- Weight >
3.5 lbs

AVAILABLE OPTIONS

- Power Cord >
Custom lengths,
Photo Cell Power Adapter
- Power Connection >
12v DC and Solar