

## M4.4030

### *Mesh Node (PCMCIA)*

NOW Wireless offer a complete Mesh node PCMCIA in a PCMCIA form factor. By simply inserting the wireless modem card, up to 6 Mbps burst data rates for streaming audio and video, fast and accurate geolocation, and voice services can be added to any device with a PCMCIA card slot.

The Mesh node PCMCIA can also act as MESH4G™ Wireless Routers in a MESH4G™ mobile broadband network. This increases network robustness and coverage at no additional cost.

Finally, clients with this Mesh node can instantly form Multi-Hopping™ ad-hoc, peer-to-peer, broadband networks - without using any network infrastructure.

### **MESH4G™ enables High Quality Voice and Video Services**

The Mesh node PCMCIA adds real-time voice and video services to a wide range of devices.

### **6 Mbps Burst Rate Mobile Broadband Networking**

Clients get up to 6 Mbps burst rate for voice, video and data. High-bandwidth applications, such as web browsing, imaging, telemetry and high-quality streaming audio are just a few of the new mobile services.



### **Geo-Location and Navigation Services**

The wireless modem card adds geolocation capabilities, without relying on costly GPS. In fact, location is typically quicker and more accurate than consumer GPS. MESH4G™ networks provide location data in a standard GPS format so that applications that operate with GPS data work seamlessly with the Mesh node PCMCIA.

### **Managed Network Elements**

Mesh node PCMCIAs are managed network elements. Performance, configuration and status are all available and manageable via over-the-air management. Network and client parameters can be collected, or set, by the network operator or administrator via MESH4G™ Central Manager system software.

# Metropolitan Wireless

## End-to-End Industry Standard IP Support

MESH4G™ networks delivers standards based IP, so any IP based application or IP capable device works seamlessly in the network. No modifications are required, nor are special gateways needed.

## Create Peer-to-Peer Networks Anywhere

Client devices with Mesh node PCMCIA cards can form their own peer-to-peer network - anywhere, anytime. A high-speed broadband network will automatically form between authorized devices - even in places where there is no network infrastructure. Companies, families, and communities-of-interest can establish private and effortless group communications.

## M4.4030 SPECIFICATIONS:

### GENERAL INFORMATION

#### Data Rate >

1.5, 3 and 6 Mbps burst modes

#### Certifications >

US-FCC Part 15

IEC 60950

EN 60950

EN 60215

CSA C22.2 No. 60950-000

RSS-210

#### Current >

Receive 450 mAmps

#### Consumption >

Transmit 1 Amp

#### Host Interface >

PCMCIA

### NETWORK INFORMATION

#### Network Architecture >

Peer-to-Peer Multi-hopping™

### DEVICE DRIVER

#### Supported Operating Systems >

Windows 2000 Windows XP

Pocket PC 2002

### ENVIRONMENTAL

#### Temperature Range >

-35 to 55 °C

#### Humidity >

0-90% (Non-Condensing)

### RADIO

#### Chipset >

MN2064A

#### Output Power >

Nominal 23 dBm

#### RF Modulation >

QCMR

#### Operating Frequency >

2.4 GHz - 2nd ISM band

#### Antenna Type >

Remotely Locatable

Omnidirectional

#### Antenna Connector >

MMCX

### PHYSICAL

#### Dimensions >

3.37" x 2.126" x 0.19"

(8.6cm x 5.4cm x 0.5cm)

#### Weight >

1.13oz (30.8g)

#### LED Indicators >

Transmit & Receive

### AVAILABLE OPTIONS

#### Antenna >

Magnetic mount antenna for vehicles