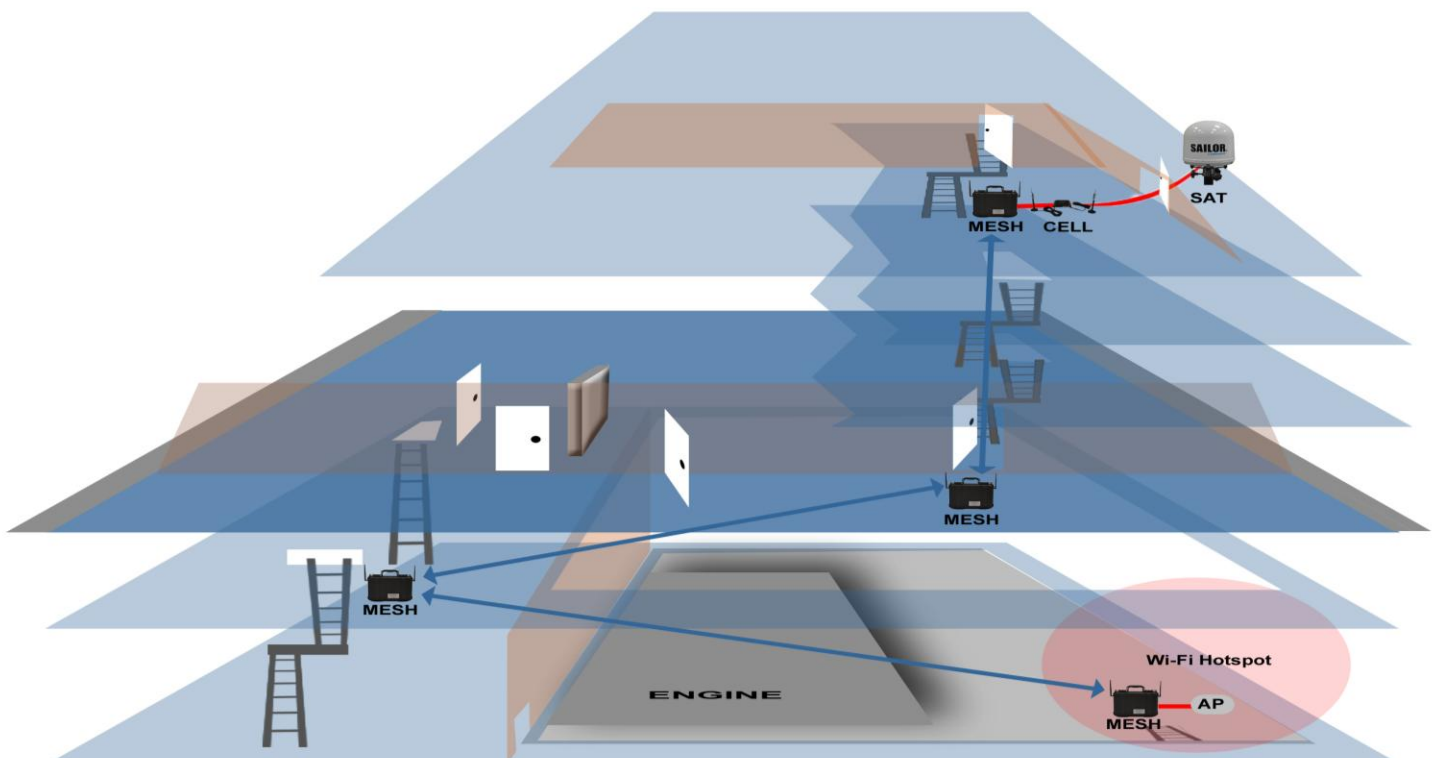


# PROTEUS MESH NODE

WPM-3010



- Wireless Broadband Mesh Networking Kit
- Simple and Adaptable
  - Self-forming Network
  - Self-healing Mesh
  - Visual Indicator of Network Status
  - Traffic Prioritization
- Transportable
  - Rapidly Deployable
  - Ruggedized Enclosure
- Secure
  - WEP and WPA2 encryption between nodes
  - 256-bit AES encryption from ingress to egress.





## Technical Specifications

- |                                |   |
|--------------------------------|---|
| Network Ports:                 | <ul style="list-style-type: none"> <li>• Four GigE 10/100/1000 Mbps Ethernet ports with LEDs</li> <li>• IEEE 802.3, 802.3u compliant</li> <li>• CSMA/CD 10/100 autosense</li> </ul>   |
| Wireless Interface:            | <ul style="list-style-type: none"> <li>• IEEE 802.11a/b/g/n ad hoc</li> <li>• Transmit power up to 400mW for 2.4/5Ghz radio &amp; 500mW for 900Mhz radio</li> <li>• Dynamic Frequency Selection (DFS)</li> <li>• Transmit Power Control (TPC)</li> </ul>  |
| Frequency ranges:              | <ul style="list-style-type: none"> <li>• 902 – 928 Mhz</li> <li>• 2.412 – 2.483 GHz</li> <li>• 4.94 – 4.99 GHz</li> <li>• 5.15 – 5.25 GHz (Indoor Use Only)</li> <li>• 5.25 – 5.35 GHz</li> <li>• 5.470 – 5.725 GHz</li> <li>• 5.725 – 5.825 GHz</li> </ul>   |
| Receive sensitivity (typical): | <ul style="list-style-type: none"> <li>• 900 Mhz, DSSS: 1 Mbps: -94 dBm, 11 Mbps: -89 dBm</li> <li>• 900 Mhz, OFDM: 6 Mbps: -91 dBm, 54 Mbps: -71 dBm</li> <li>• 2.4 GHz, DSSS: 1 Mbps: -95 dBm, 11 Mbps: -88 dBm</li> <li>• 2.4 GHz, OFDM: 6 Mbps: -90 dBm, 54 Mbps: -73 dBm</li> <li>• 5 GHz - 6 Mbps: -90 dBm, 54 Mbps: -73 dBm</li> </ul> |
| Weight:                        | <ul style="list-style-type: none"> <li>• 16 pounds</li> </ul>   |
| Dimensions:                    | <ul style="list-style-type: none"> <li>• 13.37" x 11.62" x 6" inches (without antennas)</li> <li>• 2.4GHz antenna length: 8.55 inches</li> <li>• 900MHz antenna length: 8.25 inches</li> </ul>  |
| Power:                         | <ul style="list-style-type: none"> <li>• AC Input: 120-240 VAC ~ 50/60 Hz</li> <li>• DC Output: 12V 1A</li> <li>• Kit includes four (4) internal rechargeable lithium-ion batteries</li> <li>• Each battery provides 69.0 Watt Hours of power</li> <li>• UN Transportation Tested (UN/DOT 38.3)</li> </ul>                                    |

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