BroadBand Solutions 4.9GHz
802.11a/g 4.94-4.99GHz BROADBAND SOLUTIONS

KEY FEATURES
- Up to 54Mbps
- 20+ mile range (LOS)
- Extensive Security options including WPA, WPA2 and MAC/RADIUS authentication
- OFDM technology
- Single Unit Operation™: any unit may serve as an Access Point, Repeater, Remote and Mesh
- IP67 and NEMA exceeding environment specifications
- Complete Utility Suite to simplify set-up and operation
- Available as: Integrated Antenna, Stand Alone and Access Point Cluster
- 2 Year Warranty

APPLICATIONS
- Security Systems
- Video Surveillance/Monitoring
- High Speed Backbones
- T1/E1 Replacement
- Mobile Data & Remote Access
- Mesh Networking
- Remote Sensor Data Collection
- Backhaul connectivity to legacy networks

OVERVIEW
The Intuicom 4.9GHz BroadBand Solution provides the highest data rates along with the most robust industry established security features. Designed for high bandwidth and long range industrial applications, the 4.9GHz BroadBand Solution provides a full-featured enterprise class transceiver.

FUNCTIONALITY AND FLEXIBILITY
Utilizing best-in-class OFDM-based technology along with our proprietary protocol, the 4.9GHz BroadBand Solution leads the marketplace in performance and efficiency. Implementing dynamic modulation techniques and auto-optimizing bandwidth allocation, the 4.9GHz BroadBand Solution is inherently resistant to interference from other RF equipment. With robust environmental specifications and security that includes, WPA, WPA2 (802.11i), MAC and RADIUS authentication, the 4.9GHz BroadBand Solution provides superior "real world" throughput and performance.

BROADBAND PRO SOFTWARE
With Intuicom’s BroadBandPro™ software, configuring a wireless solution has never been easier. Intuicom’s set-up makes getting operational a straight-forward and simple process. The 4.9GHz BroadBand Solution includes utilities for site survey, antenna alignment, and auto discovery.

With proven performance in dense RF environments, Intuicom’s wireless networks power through the congestion to provide reliable data transport where other technologies fall short.

To learn more about Intuicom BroadBand Solutions and how to make your applications more productive, please contact us at: info@intuicom.com or call 303.449.4330
# BroadBand Solutions 4.9GHz

## 802.11a/g 4.94-4.99GHz BROADBAND SPECIFICATIONS

### General Specifications

<table>
<thead>
<tr>
<th></th>
<th>Integrated</th>
<th>Stand-Alone</th>
<th>Access Point Cluster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>8.2&quot; x 5.9&quot; x 2.3&quot; w/ antenna</td>
<td>11.0&quot; x 9.7&quot; x 4.7&quot;</td>
<td>12.5&quot; x 9.3&quot; x 5.5&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>4.0 lbs.</td>
<td>4.0 lbs. (1 unit)</td>
<td>7.9 lbs.</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>10-28 VDC</td>
<td>10-28 VDC (up to 2 units)</td>
<td>38-56 VDC (4 units)</td>
</tr>
<tr>
<td>Number of Radio Units</td>
<td>1 unit</td>
<td>1 - 2 units</td>
<td>4 units</td>
</tr>
<tr>
<td>Antenna Type</td>
<td>Integrated Panel</td>
<td>Panel, Omni, Parabolic</td>
<td>Sector</td>
</tr>
<tr>
<td>Environmental</td>
<td>-40°C to +70°C (IP67)</td>
<td>-40°C to +70°C</td>
<td>-40°C to +70°C</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>12W</td>
<td>12W</td>
<td>53W</td>
</tr>
</tbody>
</table>

### Wireless Interface

- **Frequency Range**: 4.94 - 4.99GHz
- **Peak Transmit Power**: 26 dBm (400 mW)
- **Receive Sensitivity**: -96 dBm to -78dBm
- **Channel Widths**: 5MHz, 10MHz, 20MHz
- **Modulations**: OFDM
- **Protocols**: Proprietary
- **Dynamic Frequency Selection**: Automatic or User Configurable

### Wireless Networking

- **Bursting**
- **Compression**
- **Dynamic Ack Timeout**
- **TLS EAP Method**
- **Passthrough EAP Method**
- **Hardware Retries**
- **Preamble Mode**
- **Periodic Calibration**
- **Disconnect Timeout**
- **Onfail Retry**
- **CSMA Disable**

### Security

- 802.11i-WPA-PSK
- 802.11i-WPA2-PSK
- 802.11i-WPA-EAP
- 802.11i-WPA2-EAP
- 802.11i-TKIP
- 802.11i-AES-CCM
- 802.11i-802.1x
- 802.11i-RSN

### Regulatory Agency Certifications

- FCC Part 90Y
- RoHS Compliant

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**Note**: Specifications subject to change without notice. Visit www.intuicom.com for updates.