Intuicom’s BroadBand Pro software provides real-time access to the status of an Intuicom network from a single screen.

**OVERVIEW**

The Intuicom 5GHz 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 5GHz BroadBand Solution provides a full-featured enterprise class transceiver.

**FUNCTIONALITY AND FLEXIBILITY**

Utilizing best-in-class OFDM-based technology along with the 802.11a industry standard, the 5GHz BroadBand Solution leads the marketplace in performance and efficiency. Implementing dynamic modulation techniques and auto-optimizing bandwidth allocation, the 5GHz 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 5GHz BroadBand Solution provides superior “real world” throughput and performance.

**BROADBAND PRO SOFTWARE**

With Intuicom’s BroadBand Pro™ software, configuring a wireless solution has never been easier. Intuicom’s set-up makes getting operational a straight-forward and simple process. The 5GHz 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.

**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

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

**KEY FEATURES**

- Up to 108Mbps
- 20+ mile range (LOS)
- Extensive Security options including WPA, WPA2 and MAC/RADIUS authentication
- 802.11a compatible
- 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
# 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” x 5.9” x 2.3” w/ antenna</td>
<td>11.0” x 9.7” x 4.7”</td>
<td>12.5” x 9.3” x 5.8”</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>up to 4 units</td>
<td>4 units</td>
</tr>
<tr>
<td>Antenna Type</td>
<td>Panel (28 dbi)</td>
<td>Panel, Sector, Parabolic</td>
<td>Sector</td>
</tr>
<tr>
<td>Environmental</td>
<td>-45 to +85°C (IP67)</td>
<td>-45 to +85°C</td>
<td>-45 to +85°C</td>
</tr>
</tbody>
</table>

## Wireless Interface

**Frequency Range**: 5.150 - 5.825GHz  
**Peak Transmit Power**: 28 dBm (600 mW)  
**Receive Sensitivity**: -94 dBm to -74dBm  
**Channel Widths**: 5MHz, 10MHz, 20MHz, 40MHz  
**Modulations**: OFDM, BPSK, QPSK, 16QAM, 64QAM  
**Protocols**: 802.11a, Proprietary

## Wireless Networking

- Bursting
- Compression
- Dynamic Ack Timeout
- TLS EAP Method
- Passsthrough EAP Method
- Hardware Retries
- Preamble Mode
- Periodic Calibration
- Disconnect Timeout
- Onfail Retry
- CSMA Disable
- Station Channel Scan List

## Security

- 802.11-WPA-PSK
- 802.11-WPA2-PSK
- 802.11-WPA-EAP
- 802.11-WPA2-EAP
- 802.11-TKIP
- 802.11-AES-CCM
- 802.11i-802.1x
- 802.11i-RSN
- Radius Authentication
- MAC Access Control List

## Regulatory Agency Certifications

- FCC Part 15.247
- Industry Canada RSS-210
- RoHS Compliant

## Additional Networking Features

- OSPF
- FTP / TFTP
- HTTP
- Telnet
- SSH
- SNMP
- Syslog
- Routing
- Firewall / NAT
- NTP
- VPN
- DHCP Server / Client

## Broadband Pro Software

- IP Discovery Tool
- Local or Remote Configuration
- Network-Wide Diagnostics
- Bandwidth Test Tool
- Spectrum Analysis / AP Scan Tool
- Real-Time RSSI
- Client Connection Quality
- Audio Aiming Tool
- Configuration File Management

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