Intuicom’s Broadband Solutions provide the connectivity and remote access with a family of robust and secure products that have proven themselves across industries, environments and markets. Intuicom’s Broadband solutions provide the highest data rates with the most robust industry established security features. Designed for high-bandwidth, long-range industrial applications, Intuicom’s Broadband products provide exceptional performance for most any application.
Intuicom Broadband Solutions

**FUNCTIONALITY AND FLEXIBILITY**

Intuicom Broadband Solutions emphasize “Keep it Simple”. Each unit is universally configurable as either an access point or endpoint, and each unit can operate within either point-to-point, point-to-multipoint, or Mesh topologies. Intuicom’s Broadband products are available in Stand-alone (SA), Integrated, or Access Point Cluster configurations. Configuration and setup are straightforward and our tools provide the means to get a system up and running quickly. Our solutions offer flexible configuration options to meet the needs and expectations across a broad spectrum of environments and applications.

**MULTI BAND ACCESS AT MAXIMUM SPEEDS**

Intuicom’s Broadband Solutions offer upload and download speeds that lead the industry. With up to 108 Mbps of available bandwidth, Intuicom’s Broadband Solutions are capable of meeting the highest bandwidths available.

Intuicom’s Broadband family provides wireless access in a wide variety of spectrum options - including 900 MHz, 2.4, 4.9, 5.1-5.9 GHz and helps ensure exceptional performance no matter which spectrum is best for your networks. Multiple bands are available in a single Access Point Cluster (1-4 unique bands) to maximize performance and flexibility.

**BEST IN CLASS PERFORMANCE & SECURITY**

Utilizing “best-in-class” technology, Intuicom Broadband leads the marketplace in performance and efficiency. Utilizing dynamic frequency selection and optimizing bandwidth allocation, our solutions are inherently resistant to interference from other RF equipment. In addition, our security features WEP, WPA and WPA2 (with AES and TKIP) encryption to assure the safe, secure connectivity. Other features include SNMP and QoS as well as MESH networking, peer isolation and bi-directional multicast support.

**EXCEPTIONAL ENVIRONMENTAL REQUIREMENTS**

Intuicom’s wireless solutions operate in the most extreme environments on the globe. From the Arctic Circle to the deserts of North Africa, Intuicom has established a reputation for delivering remote access in the most challenging environments. We have applied that same approach with our Broadband Solutions which are designed to operate in the most extreme environments including those that require we meet or exceed -40ºC to +80ºC.

**APPLICATIONS**

- **Traffic Signal Control**
  Interconnecting of traffic signals, accessing video detection/ surveillance data and providing city-wide Wi-Fi connectivity are all available through Intuicom broadband solutions.

- **Video Surveillance**
  Security cameras, traffic monitoring systems, alarm systems, operational surveillance, perimeter monitoring, individual and public safety are all applications that benefit from our reliable and cost-effective solution.

- **Job Site WiFi**
  Construction sites and large scale facilities are the production floors in the field. Improve productivity with connectivity for file transfer, E-mail, SMS, Internet access, database access and general LAN interfacing through Intuicom’s broadband solutions.

- **Wireless Backhaul Link**
  Providing high band-width remote connectivity to SCADA systems, backhauling data, building to building connectivity, T1/E1 replacement, and remote monitoring.

- **Mobile WiFi Access**
  Local hotspot access, remote connectivity, and data systems access are proven available with Intuicom’s solutions for corporate and public safety applications.
Intuicom Broadband Solutions

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Point to Multi-point Wireless for job site communications
Access Point Cluster (1-4 Units) using a SA unit and multiple sector antennas
Traffic Signal Control (signal controllers and cameras back to Traffic Operation Center)
Mobile WiFi Access for emergency vehicles
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**GENERAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>SA - Stand Alone with External Antenna</th>
<th>Integrated Antenna</th>
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</thead>
<tbody>
<tr>
<td>Enclosure</td>
<td>Ruggedized Extruded Aluminum</td>
<td>Ruggedized Extruded Aluminum with polycarbonate radome</td>
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<tr>
<td>Size</td>
<td>8.25” x 5.95” x 2.30”</td>
<td>13.3” x 13.3” x 1.7” (4.9 - 5.8 GHz) 9.85” x 10.25” x 2.7” (2 - 4 GHz)</td>
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<tr>
<td>Weight</td>
<td>3.75 lbs.</td>
<td>5.15 lbs.</td>
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<td>Environmental</td>
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<td>IP 66</td>
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<tr>
<td>Operating Temperature</td>
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<td>-40º C to +80º C (optimized for lo/hi-temp)</td>
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<tr>
<td>Antenna</td>
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<td>Integrated flat panel</td>
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<tr>
<td>Mode</td>
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<tr>
<td>Topologies</td>
<td>Point-to-Point; Point-to-Multipoint; MESH</td>
<td></td>
</tr>
</tbody>
</table>

**WIRELESS TRANSCEIVER**

- Security: WEP, WPA, WPA2 (including AES and TKIP)
- Networking Features: Spanning Tree Protocol, DHCP, SNMP, Routing, QOS (802.11e/WMM), Peer Isolation and Bidirectional Multicast support
- Utilities: Site Survey Tool, Antenna Alignment Tool, Discovery Utility
- Wireless Approvals: FCC Part 15, IC RS210

**INTUICOM QUICK TURN-ON KITS**

- All Intuicom Broadband units include:
  - POE Injector with surge protection
  - 160 feet of Cat.5 or better Industrial Outdoor rated cable
  - Pole Mounting Hardware
  - Intuicom’s highly recognized support

To learn more about enabling wireless networking for your applications, please contact us at: info@intuicom.com or call (303) 449-4330

Intuicom™ Radios require professional installation.