

# AXIOM AC

## HIGH THROUGHPUT BROADBAND WIRELESS SOLUTION



## OVERVIEW

Intuicom continues its best-in-class tradition of wireless solutions with the Axiom AC™ line of broadband products. This advanced wireless solution provides the highest throughput available for bandwidth intensive applications like uninterrupted HD video streaming and/or concurrent Internet access to the field. Based on the IEEE 802.11ac standard, the units are available on multiple frequency options, either as single or dual units.

## FUNCTIONALITY & FLEXIBILITY

Implementing dynamic modulation techniques, auto-optimizing bandwidth allocation, and industry leading security capabilities, the Axiom delivers the performance and security demanded by today's wireless applications. Intuicom offers this performance in combination with additional frequencies choices and configurations to provide a broad array of solutions.

## BROADBAND PRO SOFTWARE

With Intuicom's Broadband Pro™ software, configuring your wireless network has never been easier. Intuicom's drag and drop set-up makes getting operational a straight forward and simple process, while a variety of real-time network monitoring and reporting tools provide the means to optimize and manage your network.

## KEY FEATURES

- Up to 1.7 Gbps
- RS-232 Serial and Ethernet interfaces
- GPS/Geolocation
- RSSI, Power LED, and Reset Button
- 802.3 at/af compliant
- 2.4 GHz, 4.9 GHz or 5 GHz options
- Heavy-duty mounting hardware

## COMPLETE COMMUNICATION SOLUTIONS

**A complete communication system lives inside every Intuicom Wireless Solution.**

- Service and support
- Exclusive product and software features
- Field proven reliability
- Network design service

## GENERAL SPECIFICATIONS

	Integrated	External Antenna Unit	Dual External Antenna Unit	Dual Unit - Integrated
PoE Standard			802.3 at/af	
RF Data Rate (maximum)	866 Mbps	866 Mbps	1.7 Gbps	1.7 Gbps
Geolocation/GPS			GPS- L1	
Size	10.4" x 10.4" x 3.7"	9.6" x 8.7" x 3.3"	9.9" x 9.0" x 3.3"	10.4" x 10.4" x 3.7"
Ethernet Interface			10/100/1000/2500/5000	
Weight	3.9 lbs	3.4 lbs	3.9 lbs	4.4 lbs
LED Indicators/Push Button			RSSI, Power, and Reset	
Number of Radio Modules	1	1	2	2
Antenna Included	Panel, MIMO, 20dBi	n/a	n/a	Panel, MIMO, 20dBi
Antenna Connector	n/a	2-Type N(f)	4-Type N(f)	2-Type N(f)
Environmental*	-40° to +75 C	-40° to +75 C	-40° to +75 C	-40° to +75 C

\*Minor temperature variances may be present in certain Dual Axiom models, contact the factory for details.

## WIRELESS INTERFACE

	Axiom AC Single	Axiom AC Dual- 2nd Module Dependent
Wireless Protocols	802.11 a/n/ac and proprietary	802.11 a/b/g/n/ac and proprietary
Frequency Range	5.150-5.825 GHz*	5.15-5.82 GHz/2.4-2.4835 GHz/4.94-4.99 GHz*
Peak Transmit	27 dBm (w/o antenna)	27 dBm-30dBm
Data Rate	Up to 866 Mbps	Up to 1.7 Gbps
Channel Widths	20, 40, 80 MHz	5/10/20/40/80 MHz
Modulations		OFDM, BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM
Topology		Point-to-Point, Point-to-Multipoint, Mesh
Dynamic Frequency Selection		Automatic or User

\*Band availability is subjected to country regulations.

## 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
Radius Authentication
MAC Access Control List
128-bit/256-bit AES Encryption

## IEEE NETWORKING FEATURES

802.11e WMM and QOS
802.11h DFS and TPC
802.1d Ethernet Bridging
802.1q VLAN
802.1s Spanning Tree
802.1w Rapid Spanning Tree

## WIRELESS REGULATORY COMPLIANCE

FCC Part 15.247
Industry Canada RSS-210
RoHS Compliant



Security



ITS/Traffic



Environmental and Structural Monitoring



Survey and Machine Control

Note: Specifications subject to change without notice.