BBX

SECURE, FLEXIBLE, BROADBAND CONNECTIVITY IN MULTIPLE FREQUENCIES

OVERVIEW

The Intuicom BBX product family provides connectivity and remote access through a family of robust and secure products that have proven themselves across industries, environments and markets. The BBX products work under the harshest conditions in variety of configurations and frequency band options.

FUNCTIONALITY & FLEXIBILITY

Utilizing best-in-class OFDM-based technology along with the 802.11n industry standard, Intuicom's BBX products lead the marketplace in performance and efficiency.

Implementing dynamic modulation techniques and auto-optimizing bandwidth allocation, the BBX is inherently resistant to RF interference. With robust environmental specifications and security that includes, WPA, WPA2 (802.11i), MAC and RADIUS authentication, the BBX provides superior "real world" throughput and performance.

KEY FEATURES

- Up to 300 Mbps
- 20+ mile range (LOS)
- 2.4GHz, 4.9 GHz or 5GHz options
- Extensive security options (WPA, WPA2, AES Encryption, Radius Authentication, etc.)
- Single Unit Operation™: any unit may serve as an Access Point, Remote, or Mesh node

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.

Intuicom's BBX wireless solutions proven performance in dense RF environments power through the congestion to provide reliable data transport where other technologies fall short.

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

Intuicom®

GENERAL SPECIFICATIONS

	Integrated	External Antenna Unit
Size	10.4" x 10.4" x 3.7"	9.6" x 8.7" x 3.3"
Weight	3.9 lbs	3.4 lbs
Power Requirements	12-28 VDC	12-28 VDC
Antenna Type	Panel, (20 dBi)	External, 2-Type N(f)
Environmental	-40 C to +65 C	-40 C to +65 C

REGULATORY AGENCY COMPLIANCE

FCC Part 15.247
Industry Canada RSS-210
RoHS Compliant

WIRELESS INTERFACE

	5 GHz	4.9 GHz	2.4 GHz
Wireless Protocols	802.11 a/n and proprietary	802.11 a/n and proprietary	802.11 b/g/n and proprietary
Frequency Range	5.150-5.825 GHz*	4940-4990 GHz*	2.192-2.732 GHz*
Peak Transmit	27 dBm (w/o antenna)	27 dBm (w/o antenna)	30 dBm (w/o antenna)
Data Rate	Up to 300 Mbps	Up to 300 Mbps	Up to 300 Mbps
Channel Widths	5, 10, 20, 40 MHz	5, 10, 20, 40 MHz	5, 10, 20, 40 MHz
Modulations	OFDM, BPSK, QPSK, 16-QAM, 64-QAM		
Topology	Point-to-Point, Point-to-Multipoint, Mesh		
Dynamic Frequency Selection	Automatic or User		

**Band availability is subjected to country regulations.*

WIRELESS NETWORKING

Bursting	802.11e
Compression	802.11h
Dynamic Ack Timeout	802.1d
TLS EAP Method	802.1p
Passthrough EAP Method	802.1q
Hardware Retries	802.1s
Preamble Mode	802.1w
Periodic Calibration	802.3-1998
Disconnect Timeout	802.3ab
Onfail Retry	802.3ac
CSMA Disable	802.3ad
Station Channel Scan List	802.3i

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

BROADBAND 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

ITS/Traffic | Security | Industrial | Environmental and Structural Monitoring | Survey and Machine Control

Note: Specifications subject to change without notice.