BroadBand Solutions 2.4GHz

2.40-2.4835 GHz BROADBAND SPECIFICATIONS

OVERVIEW

The Intuicom 2.4GHz 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 2.4GHz BroadBand Solution provides a full-featured enterprise class transceiver.
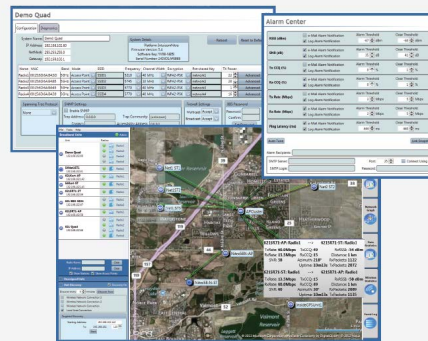
FUNCTIONALITY AND FLEXIBILITY

Utilizing best-in-class DSSS/OFDM-based technology along with the 802.11b/g industry standard, the 2.4GHz BroadBand Solution leads the marketplace in performance and efficiency. Implementing dynamic modulation techniques and auto-optimizing bandwidth allocation, the 2.4GHz 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 2.4GHz 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 2.4GHz 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.

Automatically **Discover**, **Configure**, **Optimize**, and **Secure** Your Intuicom Wireless Network

BroadBandPro™ Enterprise Management Software

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

Intuicom®
Wireless Solutions

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GENERAL SPECIFICATIONS

	Integrated	Stand-Alone	Access Point Cluster
Size	8.2" x 5.9" x 2.3" w/ antenna	11.0" x 9.7" x 4.7"	12.5" x 9.3" x 5.5"
Weight	4.3 lbs.	2.8 lbs. (1 unit)	7.9 lbs.
Power Requirements	10-28 VDC	10-28 VDC (up to 2 units)	38-56 VDC (4 units)
Number of Radio Units	1 unit	1 - 2 unis	4 units
Antenna Type	Integrated Panel	Panel, Omni, Parabolic	Sector
Environmental	-45 to +85°C (IP67)	-45 to +85°C	-45 to +85°C

WIRELESS INTERFACE

Frequency Range	2.40 - 2.4835GHz
Peak Transmit Power	28 dBm (600 mW)
Receive Sensitivity	-97 dBm to -74dBm
Channel Widths	5MHz, 10MHz, 20MHz, 40MHz
Modulations	DSSS/OFDM, BPSK, QPSK, 16QAM, 64QAM
Protocols	802.11b/g, 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

Radius Authentication

MAC Access Control List

REGULATORY AGENCY CERTIFICATIONS

FCC Part 15.247

Industry Canada RSS-210

RoHS Compliant

IEEE NETWORKING FEATURES

802.11e	WMM and QOS
802.11h	DFS and TPC
802.1d	Ethernet Bridging
802.1p	Traffic Prioritization
802.1q	VLAN
802.1s	Spanning Tree
802.1w	Rapid Spanning Tree
802.3-1998	Ethernet
802.3ab	Gigabit Ethernet (3 and 4 Radio Units)
802.3ac	Extended Frame Size for 802.1q & 802.1p Support
802.3ad	Link Aggregation/Port Bonding/Port Trunking
802.3i	10 Mbps Ethernet
802.3u	100Mbps Ethernet and Auto-Negotiation
802.3x	Full Duplex and Flow Control

ADDITIONAL NETWORKING FEATURES

OSPF

FTP / TFTP

HTTP

Telnet

SSH

SNMP

Syslog

Routing

Firewall / NAT

NTP

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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