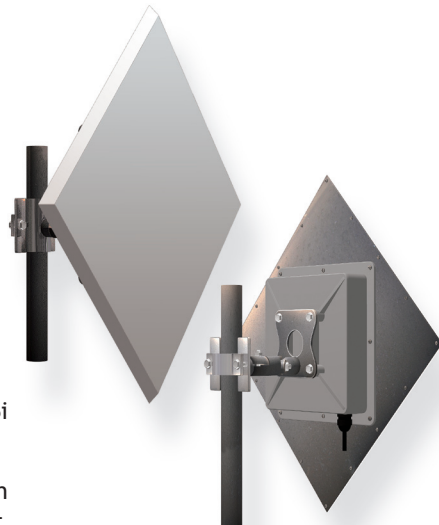


# High Speed :: 5.8 GHz

**IDEAL FOR VIDEO BACKHAUL!**  
**100 Watts**  
 Radiated Transmit Power



**AW5800HTP-PAIR Outdoor Integrated Radio & Antenna Matched Pair**

New long range 5.8 GHz wireless Ethernet radio transceivers designed for point-to-point applications requiring higher throughput.

- Point-to-point Ethernet bridge
- 5 Mbps Throughput
- 100 Watts Radiated Transmit Power - No FCC license required
- Built-in browser interface for easy re-configuration
- Range up to 15 miles line of sight
- 12" square 23 dBi directional antennas
- Weatherproof aluminum NEMA enclosures
- Power over Ethernet for single cable installation

The AW5800HTP is a matched pair of radios preconfigured as a point-to-point Ethernet bridge. The radios are integrated with 23 dBi directional flat panel antennas.

The AW5800HTP offers the ideal combination of price, range, data rate, security, interference avoidance, quality of service, and ease of use.

## Technical specifications

CHARACTERISTIC	SPECIFICATION / DESCRIPTION
WLAN Standard	Proprietary 5 GHz
Radio Scheme	OFDM - Variable modulation
Frequency Range	5.75 - 5.85 GHz
Radio Channels	18
RF Output Power	100 Watts Radiated Transmit Power (EIRP)
Receiver Sensitivity	-115 dBm
Operating Mode	Point-to-point
Power System	Power over Ethernet, 9-48 VDC
Antenna	Integrated 23 dBi Panel
3 dB Beamwidth	10° vertical / 10° horizontal
Security	Password protection, AES Encryption, SSH Configuration Option
Operating Environment	-40°C to +70°C
Mechanical	13" by 13" by 3.25", weight 7 lbs incl. mounting bracket, wind load 1.23 ft <sup>2</sup>
Warranty	2 years
Certification	FCC / IC / CE
Ethernet throughput	5 Mbps
Range	Up to 15 miles line of sight

## Ordering information

PART NUMBER	DESCRIPTION	CONTENTS
AW5800HTP-PAIR	Outdoor Integrated 5.8 GHz Radio & Antenna Matched Pair	(2) 5.8 GHz High Speed Integrated Radio Antennas (2) 110 VAC to 12 VDC power adapters (2) Power Over Ethernet injectors (2) Pole Mount Brackets

©2004 – 2009 AvaLAN Wireless Systems Incorporated. All rights reserved. AvaLAN Wireless and the AvaLAN Wireless logo are registered trademarks of AvaLAN Wireless Systems Incorporated. All other trademarks are the property of their respective owners. No representations or warranties with respect to the accuracy, utility, or completeness of the contents of this publication and its contents are made by the publisher, its authors, or its contributors, and the publisher, its authors, or its contributors, shall not be liable for any damages, including consequential, special, or exemplary damages, arising out of the use of the information contained herein, or for any errors or omissions in this publication. The customer is urged to perform its own engineering and testing. Wireless products are not designed for use in medical, life saving, or life sustaining applications.

05.12.2009



Tel – 603-577-8830  
 Fax- 339-200-8769  
 sales@integrasense.com

99 Pine Hill Road  
 Nashua, NH 03063  
 www.integrasense.com

[www.avalanwireless.com](http://www.avalanwireless.com)

Technical support :: (650) 384.0000