



## SALES INFORMATION & SPECIFICATIONS

# Covert-Systems.com

by Ross Associates

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**Dual Band  
MIMO  
Radio**

## Mesh Network made easy with KS 3500 MIMO Radio MODEL # KS-3500



### Features:

Wide Frequency Range  
Fast Data Rate  
Increase Range  
Weatherproff Construction  
4G Technology

### Description:

The KS3500 is the world's first MIMO radio ruggedized for military and public safety applications. MIMO is the breakthrough technology that is ushering in the 4G revolution in commercial wireless data communications and enabling WLANs of supporting high definition video. The KS3500 borrows the best of these commercial technologies while extending and improving the capacity, range and reliability of wireless communications for mission critical needs in the military, first responder and industrial markets.

The KS3500 transceiver, a stand-alone IP based packet MIMO radio, will surpass the capabilities of traditional single antenna solutions in many aspects and will deliver capabilities unique to the target end user such as:

- Connectivity in NLOS (non-line-of-sight) multipath rich environments typical of urban canyons
- Connectivity under highly mobile conditions on the ground, water, and in the air
- High data throughput rates
- Mesh network (self-forming, or managed)
- Multiple antenna configurations available; omnidirectional, high-gain directional, or hybrid.

**\$Call**

### Specifications:

<b>Frequency Range:</b>	S and C bands
<b>Latency"</b>	Less than 7 ms
<b>RF Power:</b>	10 mW to 1 Watt
<b>Sensitivity:</b>	-102 dBm
<b>Channel Bandwidth:</b>	5 & 20 MHz
<b>Encryption:</b>	AES 128 or AES 256
<b>Data Rate:</b>	65 Mbps
<b>Protocols:</b>	CSMA, TPMA, TDMA
<b>Spatial Streams:</b>	4
<b>Operating Voltage:</b>	9-20 Vdc
<b>Modulation:</b>	C-OFDM, BPSK,OPSK 16-QAM & 64-QAM

Visit our web site [www.covert-systems.com](http://www.covert-systems.com)

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