

# COMMPAK I/O8

Wireless Contact Closure ON/OFF Control 902-928MHz

## OVERVIEW

The COMMPAK I/O8 has been designed specifically for ON/OFF control and detection applications. This radio features Bi-Directional communications and the ability to confirm switch closure at a remote site.

## INTUITIVE SOFTWARE

Using the I/O is extremely simple with ENCOM's flexible software giving the I/O routing infinite possibilities. This comprehensive software package includes a Configuration Utility, Remote Maintenance capabilities and Wireless Link Diagnostic features. A Spectrum Analyzer is also included, allowing end users to determine exact noise levels and select optimal operating frequencies.

All typical system designs are supported including Point-to-Point, Point-to-Multipoint and Multipoint-to-Multipoint operation modes.

The COMMPAK I/O8 features innovative timer outputs that can be pre-programmed to run on schedule or on-demand, eliminating the need for timer relays and considerably reducing the cost of the installation process.



## KEY FEATURES

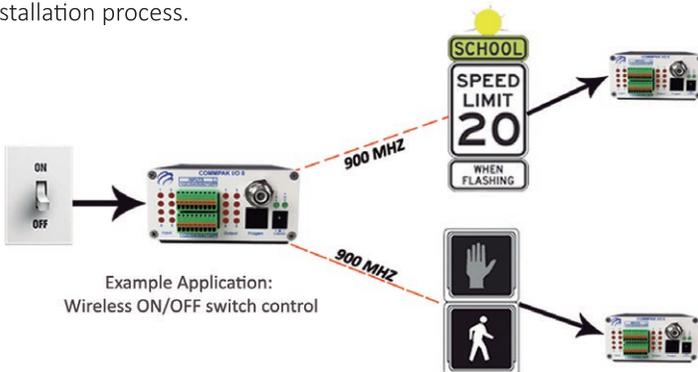
- 8 Inputs and 8 Outputs
- Robust on/off control
- Can monitor multiple events
- Covers a broad range of applications
- Range up to 20 miles (L.O.S)
- Extensive suite of security features

## KEY BENEFITS

- Over 28 years of broad industry experience
- Unparalleled software management tools
- Scalable and future proof technology platforms
- Unequaled warranty and support programs
- Easily defined and measurable ROI

## APPLICATIONS

- Intelligent Transportation Systems
- Water/Waste Water Management
- Utilities
- Industrial SCADA
- Private Networks

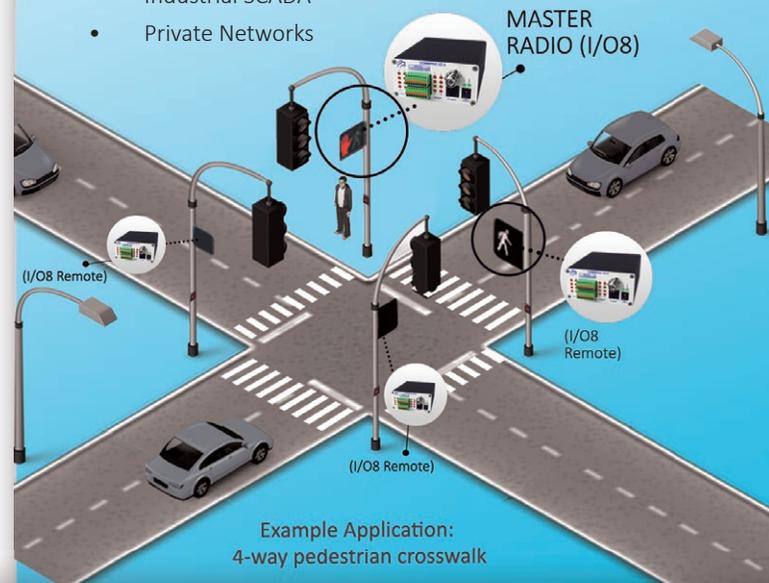


## INDUSTRY LEADING FEATURES

The I/O8 employs ENCOM's License-Free 900MHz Frequency Hopping Spread Spectrum Technology. This technology has been designed to provide reliable, long range wireless communications (up to 20 miles with L.O.S)

Eliminate the costs and time constraints associated with traditional hardwired systems by using an ENCOM COMMPAK I/O8. ENCOM's robust and reliable spread spectrum wireless serial modems continue to be the leading choice for communications. Our products provide unequalled performance in the most challenging environments.

Each unit is build and supported by over 28 years of industry experience, includes a 3 year warranty and comes with powerful, user-friendly ControlPAK or STRATOS I/O software. These utilities provide highly visual, straightforward tools for remote maintenance and configuration.



RADIO SPECIFICATIONS:		SOFTWARE SPECIFICATIONS:	
Frequency Range:	902-928 MHz	ControlPAK:	<ul style="list-style-type: none"> <li>• Radio Configuration</li> <li>• I/O Mapping</li> <li>• Spectrum analyzer</li> <li>• Remote diagnostics and configuration</li> </ul>
Output Power:	1mW, 10mW, 100mW, 1000mW		
Software Programmable:	YES		
Available Hop Patterns:	64		
Number of RF Channels:	128	STRATOS I/O:	<ul style="list-style-type: none"> <li>• Can now access I/O devices from any network</li> <li>• Works with any broadband network (ENCOM or other)</li> <li>• One I/O gateway provides access to hundreds of sites (instead of one expensive LTE device per site)</li> <li>• Monitor &amp; control up to 8 inputs and outputs per site</li> <li>• Alarms can be generated for any input change (door open sensor, temperature changes, etc.)</li> </ul>
RF Channel Spacing:	200 KHz		
Error Checking:	16-bit CRC		
Encryption:	128-bit AES		
Receiver Sensitivity / ER:	-110 dBm @ 10-6 BER		
System Gain:	145 dBm		
Antenna Port:	RP TNC-F		
Certification:	FCC, Industry Canada		
Operating Modes:	Transceiver		
System Configurations:	Point-to-Point, Point-to-Multipoint, Multipoint-to-Multipoint		
GENERAL SPECIFICATIONS:			
Input Power:	6-30 VDC		
Power Consumption:	Typical @ 24 VDC		
	<b>Normal</b>	<b>Low Current Mode</b>	<b>Sleep Mode</b>
<b>Master</b>	45 mA	9mA	N/A
<b>Repeater</b>	76 mA	9 mA	N/A
<b>Remote</b>	45 mA	9 mA	7.5 mA
Operating Environment:	-40°F to 176°F (-40°C to 80°C)		
Humidity:	0-95% non-condensing		
Enclosure Type:	Milled aluminum, black powder coat		
Warranty:	3 Years		

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*\*ENCOM Broadband radios require professional installation.*  
 Specifications subject to change without notice. Visit [www.encomwireless.com](http://www.encomwireless.com) for updates.

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