

# ADVANTAGE SERIES

Industrial Wireless Radio Remote Control System



## Features & Benefits

The Advantage Series receiver utilizes a proprietary "PLC on a Chip" technology which allows for application specific ladder logic programming. The system is modular in design to provide both analog and digital input and output capabilities for various voltage and current conditions.

- Ease of maintenance
- Radio Configuration: 450-470 MHz FCC Part 90 licensed
- Unlicensed FCC Part 15 radio communication option available
- Power, error/fault and digital I/O LED diagnostics indication

## Ensures a safe, secure communication link

- On board watchdog safety circuitry
- Proprietary radio protocol with Cyclical Redundancy Checking (CRC)

## Transmitter Options



**CONTROL CHIEF**   
**WIRELESS SOLUTIONS**

# ADVANTAGE SERIES

## Technical Specifications

### Receiver Specifications

Construction	Non-metallic Industrial Fiberglass Enclosure	
Dimensions	14.00" Width x 16.00" Height x 8.00" Depth	
Environmental	NEMA12 -30° to 80° C operating	
User Ports	Program Auxiliary	Dedicated ladder logic programming port Serial port / Modbus
Inputs (optional)	Up to 16 digital inputs in groups of 8, 12-36 Vdc or 120 Vac Up to 8 analog inputs in groups of 4, 0-10 Vdc or 4-20mA	
Outputs	Up to 32 relay in groups of 4 (2A @ 24Vdc/5A @ 120Vac) OR 4 Analog in groups of 4 (0-10Vdc or 4-20mA) and up to 28 Relay OR 8 Analog in groups of 4 (0-10Vdc or 4-20mA) and up to 24 Relay	
Antenna	TNC bulkhead (external antenna/antenna system required)	
Indicators	LEDs: Power, Error/Fault, and all digital I/O points	
Power	24Vdc (optional 120/220Vac module)	

### Overall System

RF Scheme	450-470 MHz, FCC-licensed, Narrow band, Simplex or Unlicensed FCC Part 15 radio communication
Range	500 ft indoors / 1,000 ft outdoors line of sight
Communication Security	Proprietary Protocol, CRC coding
Warranty	Two (2) years

**SONICH INDUSTRIAL SALES CO., INC.**

CLEVELAND, OHIO

(440) 546-1170 Fax (440) 546-9141

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

Email: [sales@sonichindustrial.com](mailto:sales@sonichindustrial.com)

