

SSRCRX Technical Description



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1 Introduction

1.1 Purpose of the Document

This document contains the technical specifications of the SSRCRX product.

2 Technical Specifications and Dimensions

2.1 Technical Specifications

Dimensions	
Length	5.40 in / 13.72 cm
Width	5.12 in / 13.01 cm
Height	1.62 in / 4.12 cm
Weight	0.625 lb. / 0.284 kg
Environmental	
Operating Temperature	-25°C to +70°C
Storage Temperature	-40°C to +85°C
IP Rating	IP65
Electrical	
Power Supply	12/24V (10~30Vdc)
Current Consumption	<500mA (internal electronics)
Wireless Interface	
Radio Module	RM024, Laird Connectivity
Frequency Band	2400-2483.5 MHz
RF Data Rate	280 kbps
RF Technology	Frequency Hopping Spread Spectrum (FHSS)
Receiver Sensitivity	-92 dBm (1% PER)
Modulation	MSK
Maximum Output Power Conducted	10 dBm
Host Interface	Serial - 115200 bps
Wired Interface	
Serial Interface	Serial - 1200 / 57600 bps, EDT/Software Update
CAN1 Interface	250 kbps, Machine Interface, Software Update
CAN2 Interface	250 kbps, Transmitter Cable Back-up
User Interface	
External Connector	30P Cinch Connector
External Antenna Connector	SMA Female connector
Link Indicator	R/Y/G Tri-color LED
Start/Stop Ready Indicator	R-Y-G Tri-color LED
Inputs / Outputs	12 Digital Inputs + 2 Optional High Speed Inputs 12 Digital Outputs (3A Max each, 16A Total Max) 12 Analog Inputs (0~5V/32V) 4 Optional Outputs (0/5V)