

# GPT-HSR/PRP Module

## HSR/PRP Module for SICOM3028GPT

Preliminary



- Plug-in Redbox module for reliable industrial networking in SICOM3028GPT series
- Full FPGA hardware solution with low switching latency
- Compliant implementation of HSR (IEC62439-3-5) and PRP (IEC62439-3-4)
- Supports hot-swap for easy maintenance (only can replace the same type of module)

## Overview

HSR/PRP module is a plug-in Redbox module specially designed for SICOM3028GPT series realizing both IEC62439-3-5/HSR (High-availability Seamless Redundancy) and IEC62439-3-4/PRP (Parallel Redundancy Protocol). The selection of HSR and PRP is configurable in the software. This plug-in Redbox module, which supports two Gigabit ports, is a full FPGA hardware solution with low switching latency and high communication efficiency. Enriched with this HSR/PRP module, a reliable redundancy network with Zero Recovery Time and Zero Packet Loss can be established with the deployment of SICOM3028GPT series.

## Product Specifications

### Interface

Port A	1000Base-T RJ45 port or 1000Base-X SFP port
Port B	1000Base-T RJ45 port or 1000Base-X SFP port
Backplane	1000Base-T port

### Technical Specifications

Protocol	HSR,PRP
Switching delay	< 3us
MAC table	512
Number of ring node	30

### LED

LED on front panel	Port LED: Link/ACT Port speed LED: Speed
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### Physical Characteristics

Housing	Metal
Cooling	Natural cooling, fanless

Dimensions(WxHxD)	122.6mm×20.25mm×106.6mm (4.83×0.80×4.20 in.)
Weight	0.3Kg (0.661 pound)

### Power Requirements

Power input	3.3VDC
Power terminal	A type interface (powered by backplane)
Power consumption	<5W

### Environmental Limits

Operating temperature	-40°C to +85°C (-40°F to 185°F)
Storage temperature	-40°C to +85°C (-40°F to 185°F)
Ambient Relative Humidity	5%-95% (non-condensing)

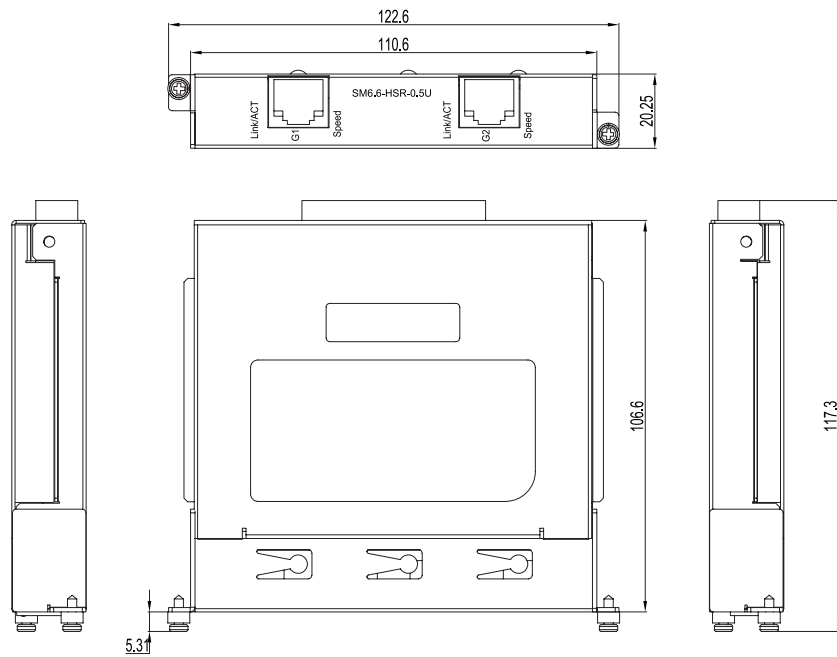
### Quality Assurance

Warranty	5 years
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### Approvals

KEMA (pending), CE (pending), FCC (pending)  
Please check Kyland website for the latest updates.

## » Mechanical Drawing



## » Ordering Information

### Model

SM6.6-HSR/PRP-GE-0.5U

SM6.6-HSR/PRP-GX-0.5U

### Description

HSR/PRP Redbox module, 2x1000Base-T RJ45 port

HSR/PRP Redbox module, 2x1000Base-X SFP port