

# Anacle Starlight® Communicator



Data routing and transmission to the central server with sharp, real-time accuracy

Focusing on performance, cost effectiveness and user friendliness. Starlight® Communicator is a low-power yet high performance wireless transceiver.

Starlight® Communicator has the ability to perform data routing, and transmission of data to your central server with sharp, real-time accuracy and efficiency. It requires minimal management as Starlight® Communicator work using MESH networking concept, a self-healing, self-organizing and self-configuring system that commands lower cost, lesser complexity and lower power consumption when compared to other similar systems.

Furthermore, Starlight® Communicator has the ability to connect to a wide range of cables, ranging from Cat5, 5e, 6, crossover to standard issue cables, along with the ability to transmit data without the need of additional cabling, Starlight® Communicator will be easy to integrate into your new or existing networks.

Available in two wireless frequencies, Starlight® Communicator will be your business solution to a better and greener future.

## Features of Starlight® Communicator

### MESH Concept

- A self-configuring and self-organizing wireless network

### Wireless

- Transmit data without the need of additional cabling.

### RS485 Interface

- Support more devices

### Power Over Ethernet

- Save time and cost during installation process.

### Extended Range

- Reach up to 6.5Km (LOS)
- Reach up to 305m in urban terrain (Long range)

starlight

## Technical Data of Starlight® Communicator

### Communication Interface

RS485, Zigbee, Ethernet, USB

### Ethernet Parameters

Standard	IEEE 802.3af
Connector	RJ45 Cat 5/5e/6
Power Over Ethernet	Yes
IP Configuration	Static

### Short Range Radio Parameter

Frequency Band	
1. 2.4GHz	ISM 2.4GHz
2. 900MHz (Long Range)	902MHz - 928MHz* (Configurable to respective country regulation)

Frequency Modulation	
1. 2.4GHz	DSSS
2. 900MHz (Long Range)	FHSS

Output Power	
1. 2.4GHz	+10dBm
2. 900MHz (Long Range)	+7dBm to +24dBm

Communication Range	
1. 2.4GHz	1.6Km Line Of Sight (LOS) 100m Indoor
2. 900MHz (Long Range)	6.5 Line Of Sight (LOS) 305m Indoor

### Data Rate

1. 2.4GHz	250000bps
2. 900MHz (Long Range)	200kbps

### USB (Universal Serial Bus)

Connector	Type Mini-B USB connector
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### Order Code

Ethernet/ISM 900 MHz	SL-ZBCOM-900E*
Ethernet/ISM 2.4 GHz	SL-ZBCOM-2400E

### Mechanical

Overall Dimension (mm)	112(W) x 78(H) x 25(D)
Weight	136g

### Power Requirement

Input (DC)	5V/1A Power adapter or USB
Power Connector	Two Pin Jack 5mm
Power Over Ethernet	Class 1
Typical Power Consumption	1.4W
Power Consumption	3.84 Max

### Standard Compliance

Safety	IEC EN 61010-1
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### Indicators

Network Status	Yes
Communication Status	Yes

### Environmental Conditions

Operating Temperature	0-70°C
Storage Temperature	20-85°C
Humidity	5% to 95% RH at 40°C

### Communicator Model:

- SL-ZBCOM-900 (900MHz Long range)
- SL-ZBCOM-2400 (2.4GHz)

### \*In reference with Singapore:

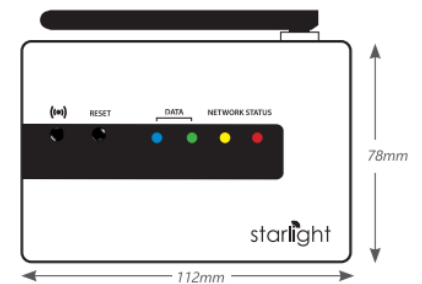
- IDA License: DA106813
- Actual Frequency: 920MHz to 925MHz  
(In Compliance with Singapore Regulation)



INSIGHT  
IDEAS  
INNOVATION



Bottom



Front



**Anacle Headquarters**  
1 Fusionopolis View, Sandcrawler,  
#08-02, Singapore 138577  
Main: +65 6734 9012  
Fax: +65 6734 9011  
Email: info@anacle.com

**Anacle Malaysia**  
3-12-6, Tower 3,  
UOA Business Park  
Jalan Pengaturcara U1/51A  
Seksyen U1, 40150 Shah Alam,  
Selangor Darul Ehsan, Malaysia.  
Main: +603-5569 9012  
Fax: +603-5569 9013

**Anacle India**  
S26/S27, Destination Center 1,  
2nd Floor, Nanded City,  
Pune 411041, India  
Main: +91 20 6752 3879