

# BirdNet-Repeater

Slave Mote (SM) for Repeater

## ■ Specification

Items	DETAIL	Remark
Service	IEEE802.15.4e TSCH	
Frequency Band	2.4000GHz ~ 2.4835GHz	
Number of Channels	15	
Modulation	DSSS	
Raw Data Rate	250kbps	
Range	Indoor : 50m Outdoor : 100m	
Output Power	8dBm	
Receiver Sensitivity	-93dBm	
Input/output Impedance	50Ω	
CPU	ARM Cortex-M3 32bit	
SRAM	72Kbyte	
FLASH Memory	512Kbyte	
Chip Antenna	3 dBi	
Internal Sensors	Temperature	
Surge Protection	10/100μs / 400W	
ESD Protection	Contact : ±8KV, Air : ±15KV	
Operating Temperature	-40 ~ 85°C	
Operating Humidity	10 ~ 90%	Non-condensing
Battery Power	3.3V DC up, 8500mAh	
Power Consumption	< 50μA	
Enclosure Material	PVC	
Size	80mm(W)*55mm(H)*35mm(D)	
Weight	< 150g	

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- Product Image

