BirdNet Master

Master Mote (MM)

▪ 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 : 100m Outdoor : 300m Free Space : 1200m	25℃, 50%RH, 2dbi Omni-Direction Antenna, Antenna 2m Above Ground
Output Power	8dBm	
Reciver Sensitivity	-93dBm	
Input/output Impedance	50Ω	
CPU	TI AM3359	
CPU Frequency	1GHz	
SRAM	512Mbyte DDR3	
FLASH Memory	eMMC 4Gbyte	
Water Proof Rating	IP65	
SERIAL	1xRS232, 1xConsole	isolation
ETHERNET	1xLAN(10/100M)	
Surge Protection	10/100μs / 400W	
ESD Protection	Contact : ±8KV, Air : ±15KV	
Operating Temperature	-40 ~ 85℃	
Operating Humidity	10 ~ 90%	Non-condensing
Input voltage	POE 48v	
Power Consumption	< 10W	
Size	182mm(W)*45mm(H)*120mm(D)	Including foot stand
Weight	< 900g	

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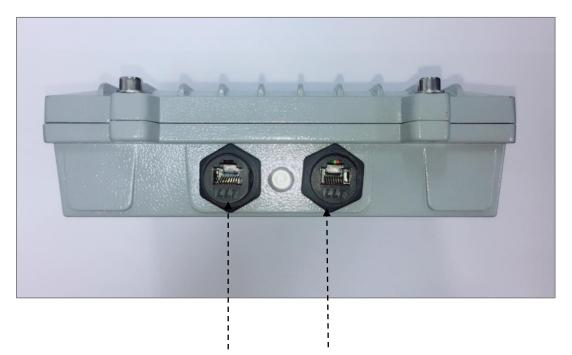- Product Image

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- Product Image

Connector

RS232 Console   PoE
                       (48V, <10W, 10/100M)