




Low power mesh mote supports maximum 4 hops that remarkably expands coverage of AP, which also can be used to cover blind area and relieve congestion of data.

Datasheet

Datasheet		
Type	Parameter	Remark
Power supply	DC 5V	PoE/ AC 220V to DC 5V
Working band	429MHz	
Peak variation	1ppm	-
Modulation	2-FSK/2-GFSK/PSK	-
Data rate	0.1-2.4kps	Can be customized to higher data rate
Receive sensitivity	-130dBm@300bps	Typical, ± 2 dBm
Tx power	15/17/20/23dBm	Configurable
Bandwidth	3.8kHz	UNB
Capacity/Ch	10000(@300bps,10Bytes, %PER)	Assume one device transmit 1 packet a day.
MaximumChsupport	3	Can be customized to more channels.
Duplex mode	Default half-duplex	Can be customized to duplex mode.
Working temp	-30~75°C	-
Storage temp	-40~125°C	-
Protection grade	IP67	-
Frequency hopping	Optional	-
Security	Access Authentication, data encryption, etc.	
Device size	$\Phi 160 \times 60$	Unit: mm
Weight	0.2kg	

Accessories

No.	Name	Description	Picture
1	0.4m RF Antenna	RF antenna install on AP.	
2	ER34615 Battery	2	

Antenna datasheet

Category	Omni Antenna
Model	QFD-400D
Frequency	429MHz
Bandwidth	14MHz
Gain	5dBi
Vertical-beamwidth	25°
VSWR	≤1.5 (Center Frequency ≤ 1.2)
Nominal Independence	50 Ω
Polarization	Vertical
Maximum power	100W
Length	0.4m
Weight	0.5kg
Rated wind-velocity	60m/s
Connecter	N female (can be customized)
Remark	Fiberglass



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