Ambient Light Sensor



Seatures

- EU, US frequency support
- LoRaWAN 1.0.3
- Optical sensor LTR-F216A
- 16 to 20 bits measurement resolution
- Wide dynamic range (0.01 to 39K lux) with linear response
- 0 to 50°C operation temperature range

The Ambient Light Sensor utilizes LoRaWAN connectivity to provide measurements of ambient light intensity which matches the human eye's response to light under a variety of lighting conditions.

Specification			
Frequency	868MHz & 915MHz		
RF TX power	US: +19dBm EU: +17dBm		
Antenna Gain	-2dBi Peak, -5dBi Avg		
RF Sensitivity	-135dBm		
Battery Type	3.6V ½ AA Li-SOCI2, 1200mAh		
Battery Lifetime*	Up to 16 months		
Average Current	135mA maximum / 100uA minimum		
Protocol	LoRaWAN 1.0.3		
Operation Temperature	0 to 50°C		
Environmental Rating	IP40 equivalent		
Dimensions	50mm x 20mm x 50mm		
Weight	30g without battery 40g with battery		
Sensor	Wide dynamic range (0.01 to 39K lux)		
Type Approval	FCC/IC/CE		



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SKU Detail				
SKU	Country	Channels	Frequency Band (MHz)	
TBAM100-868	Europe	8	EU868 (862~870)	
TBAM100-915	USA	16	US915 (902~928)	
* Samples are also available for IN865, AS923, AU915, KR920				

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