RAJANT

sunFlower LTE Rugged
Infrastructure Antenna Device through LTE interface

IoT INFRASTRUCTURE

Sunflower LTE is a mesh node equipped with LTE interface, acting as mesh network end node (802.11s) or as access point. The device connects distant areas to the central site via VPN over LTE. Provided with a local MQTT Broker, it allows publish & subscribe messages from the central site and from the close-by BLE devices.

Sunflower LTE receives the data collected by Wi-Fi / BLE gateways and can act as MQTT bridge to the central broker.
Part of the full mesh network on 400 Mb/s bandwidth, with OpenWRT it integrates advanced routing functions and can be configured and expanded. Such devices can be also used as open, flexible and robust platforms that, thanks to the multiple programming languages and protocols available, allow the development of customized applications (edge computing) and IoT.
Fitting: coupled directly to the pole

Features	
Product Code	WL006-SFX00
CPU	Qualcomm QCA9531, @650MHz
WiFi Chipset	Qualcomm QCA9887
Flash	16MB Nor-Flash (Optional 32MB) 128MB NAND-FLASH (Optional, default not Included)
RAM	128MB
4G/3G Module	Support CAT4 (Optional CAT6)
WiFi	Dual frequency: 802.11b/g/n 2.4GHz, 2x2, 802.11ac 5GHz
WiFi Wireless Speed	2.4GHz (300Mbps) 5GHz: (433Mbps)
WiFi Output Power	2.4GHz: 20dBm (11b) Max, 5GHz: 20dBm (11a) Max
WiFi Receiver Sensitivity	-94dBm Max
IoT Module	BLE/Zigbee (Optional), Internal Antenna
Network Interface	2x 10/100M Adaptive FE, 1WAN+1LAN
USB Interface	1x USB2.0 Type A
Micro SD	1x MicroSD (TF) Card slot, maximum 512GB
LED Indicator	Power / 2.4G WiFi / 5G WiFi / 4G / WAN
Power Supply	12V/1.5A adaptor
Operating Temperature	0 - 55°C
Storage Temperature	-20°C - 70°C (-4 - 158°F)
Warranty	1 year

REIOS

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