

# sunFlower

## Infrastructure Antenna Device 2

### IoT INFRASTRUCTURE



SunFlower is an industrial router acting as mesh network end node (802.11s) on Reios IoT Platform. Through a wired connection to the local LAN, it links the full mesh system to the ED server, to internet and, if necessary, to the external VLAN.

The device operates as AP (IEEE802.11 b/g/n and 802.11ac standards) and is equipped with 3 Gigabit Ethernet ports (one WAN port and two LAN)

IADs are part of the full mesh network on 400 Mb/s bandwidth; more, with OpenWRT it integrates advanced routing functions and can be configured and expanded. Such devices can be also used as open, flexible and robust wired / wireless platforms that, thanks to the multiple programming languages and protocols available, allow the development of customized applications (edge computing) and IoT.

Features	
<b>Product Code</b>	50.100006.004
<b>Chipset CPU</b>	IPQ4029 Quad-core ARM, @717MHz SoC
<b>System Memory</b>	DDR3L 512MB / FLASH 16MB + EMMC 8GB
<b>Antenna</b>	Internal
<b>Wireless</b>	802.11 a/b/g/n/ac
<b>Expansion</b>	1 x 9.2mm height Mini PCI-e slot
<b>Interface</b>	1 x WAN Ethernet port 2 x LAN Ethernet port 3 x LEDs 1 x USB 3.0 port
<b>Wi-Fi Speed</b>	2.4GHz (400Mbps) 2x2, 5GHz: (867Mbps) 2x2
<b>TX Power</b>	2.4GHz: 20dBm (11b) Max, 5GHz: 20dBm (11a) Max
<b>Ethernet Port</b>	3 x 10/100/1000M
<b>LEDs</b>	Wireless status indication / Mesh LED / Power Supply
<b>Bluetooth &amp; Zigbee</b>	Both Optional
<b>Power Input</b>	12V/1.5A
<b>Power Consumption</b>	<7W
<b>Operating Temperature</b>	-20°C - 40°C (-4 - 104°F)
<b>Storage Temperature</b>	-20°C - 70°C (-4 - 158°F)
<b>Size and Weight</b>	117x117x55 mm / 240g
<b>Warranty</b>	1 year

