

## DATASHEET

### Product information ACCS633010-RBWAPR-2NDEU

<b>Name</b>	ACCS633010-RBWAPR-2NDEU
	
	Small weatherproof wireless access point with a built-in cellular modem that supports 2G, 3G and 4G (LTE) connectivity
<b>Product description</b>	
Type	ACCS633010-RBWAPR-2NDEU **
Description	Small weatherproof wireless access point with a built-in cellular modem that supports 2G, 3G and 4G (LTE) connectivity. For accessing the LTE network from the iQunet Server. 9-30V PoE-powered, includes LTE modem that supports international LTE bands 1, 2, 3, 7, 8, 20, 38 and 40.
Note	** Contact iQunet for an LTE modem that supports LTE bands 2, 4, 5 and 12, mostly used by mobile operators in United States, Canada, and Latin America.
<b>Product specifications</b>	
<b>Supported bands</b>	
LTE (FDD) bands (4G)	1(2100)/2(1900)/3(1800)/7(2600)/8(900)/20(800)
LTE (TDD) bands (4G)	38(2600)/40(2300)
3G bands	1(2100)/2(1900)/5(850)/8(900)
LTE category (4G)	4 (150Mbps Downlink, 50Mbps Uplink)
3G category	R7 (21Mbps Downlink, 5.76Mbps Uplink)
SIM slots	1
10/100 Ethernet ports	1 (use with Cat6 shielded ethernet cable – not included)
Wireless	Built-in 2.4 GHz 802.11b/g/n, dual chain (connect to 192.168.88.1 for modem set-up)
Wireless regulations	Specific frequency range will be limited by country regulations
Antenna beam width	360°
Supported input voltage	9 V – 30 V (Passive PoE) - input needs to be at least <b>18V</b> to accommodate any losses in cables
Dimensions	185 x 85 x 30 mm
IP	IP54 (outside installation with openings directed downwards)
Maximum power consumption	8 W
Operating temperature	-40° to 60°C
Accessories	PoE injector cable 24V 0.8A power adapter Mount base, screw kit, plastic straps, thermal pad
Certification	CE, FCC, IC, E-MARK, EAC, ROHS



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### Router configuration

1. Connect to the wireless network of the router.
2. Open <https://192.168.88.1> in your web browser to start the configuration. Wi-Fi password and Router OS login password are provided.
3. Go to Quick Set: LTE AP.
4. Insert the APN from the SIM provider.
5. Apply configuration by clicking the button.
6. Wait 2 minutes until the Operator appears in the screen and RSRP graph is shown.

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Check router connection status

1. Go to the "WebFig" panel (next to "Quick Set" in the upper right corner).
2. Select the "Interfaces" tab at the left.
3. In the "Interfaces" tab, click on "LTE" or click on the row containing the LTE connection type.

A Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Packet (p/s)
eth0	bridge	1500	1500	2.1 Mbps	56.3 Mbps	188	97	1924.4 Mbps	26.3 Mbps	171	97
eth1	Ethernet	1500	1500	2.2 Mbps	59.3 Mbps	188	97	2.1 Mbps	26.2 Mbps	188	97
eth2	LTE	1400	1400	42.0 kbps	1946.1 kbps	88	173	0 bps	1957.4 kbps	0	174
eth3	Wireless (4G/3G/2G)	1500	1400	0 bps	0 bps	0	0	0 bps	0 bps	0	0

4. The dashboard should show the following:
  - a) Registration Status: registered
  - b) PIN Status: ok
  - c) Functionality: full
5. A Tx/Rx Rate should now become visible. In the operator section at the top the "Access Technology" should show: Evolved 3G (LTE). If the "Access Technology" shows eGPRS, the connection is not good enough.

6. You now have a working internet connection.
7. IMPORTANT:
  - a) GO TO THE "QUICK SET" PANEL AND SELECT THE LTE ACCESS POINT (AP).
  - b) CHANGE THE ROUTER LOGIN PASSWORD.