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#### Product information ACCS633010-RBWAPR-2NDEU

Name	ACCS633010-RBWAPR-2NDEU			
	Small weatherproof wireless access point with a built-in cellular modem that supports 2G, 3G and 4G (LTE) connectivity			
Product description				
Туре	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.			
Product specifications				
Supported bands LTE (FDD) bands (4G) LTE (TDD) bands (4G) 3G bands	1(2100)/2(1900)/3(1800)/7(2600)/8(900)/20(800) 38(2600)/40(2300) 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	8W			
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			

#### DATASHEET

Mounting	Mounting on a mast or pole
Mechanical	<ul> <li>It is recommended to use electrical tape to increase friction between materials.</li> <li>It is recommended to use electrical tape to increase friction between materials.</li> <li>Mount the plastic tie straps to the steel brackets by guiding them through the holes.</li> <li>Mount the plastic tie straps to the steel brackets by guiding them through the holes.</li> <li>Secure them with a screw.</li> <li>Secure them with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the bottom latch and secure it with a screw.</li> <li>Close the screw supply into the PoE injector cable.</li> <li>Plug the provided power supply into the PoE injector cable.</li> <li>(Alternative) Cut the power cable from the power adapter and connect to an existing 18-300 DC source.</li> <li>Connect the ethernet cable from the injector to the iQunet Server.</li> </ul>
Electrical connection scheme	LTE Router IQunet Server Power to iQunet Server RJ45 PoE Power Injector RJ45 LAN cable (not provided) PoE

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### DATASHEET

Router configuration					1
			Quick Set	WebFig Terminal <table-cell> 😰</table-cell>	
				LTE AP VQuick Set	
				LTE	
	PIN	•			
	APN	• <b></b>			
				Status	
	Current Operator	Telenet			
	540500	(200 /bard 2, bardwidth 200ths)			
	EARFCN	1800 (band 3, bandwidth 20Mhz)			
				-40 dB -60 dB	
				-80 dB	
	KSKP			-100 dB	
		PSPD	dB ave: -121 dB	5:46 10:17:16 10:17:46	
		- KSKP (01: 12)	ub avg: -121 ub	max: -120 00	
				Internet	
	IP Address	100.86.236.144			
	Firewall Router				
				Local Network	
	IP Address	192.168.88.1			
	Netmask	255.255.255.0 (/24)			
	01/02 0				
	DHCP Server	✓			
	DHCP Server Range	▲ 192.168.88.10-192.168.88.2:			
	NAT				
	UPnP	0			
				Custom	
		A.0. 70		System	
	Router Identity	MIKTOTIK			
				Check For Updates Reset Configuration	
				Password	
				Apply 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-Fill	password and
	Z. Open nups.	login nooword oro pro	vided		password and
	Roulei US	o the formation of the pro-	nueu.		
	3. Go to Quick	CSet: LTE AP.			
	<ol><li>Insert the A</li></ol>	PN from the SIM provio	der.		
	<ol><li>Apply config</li></ol>	guration by clicking the	button.		
	6 Wait 2 mini	ites until the Operator a	oppears in the screer	and RSRP graph is sho	wn
	o. Wait 2 millio			rana riorar graphilo ono	

#### DATASHEET

Check router connection status	<ol> <li>Go to the "WebFig" panel (next to "Quick Set" in the upper right corner).</li> <li>Select the "Interfaces" tab at the left.</li> <li>In the "Interfaces" tab, click on "LTE" or click on the row containing the LTE connection type.</li> </ol>					
	I. CoPSIM         Restriction schuld dressenses         Default and the second dressenses         Default and					
	<ul> <li>4. The dashboard should show the following: <ul> <li>a) Registration Status: registered</li> <li>b) PIN Status: ok</li> <li>c) Fuctionality: full</li> </ul> </li> <li>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.</li> </ul>					
	Link Downs 0 Link					
	Functionality     full       Functionality     full       Sector ID     72       PHY Cell ID     373       Access Technology     Evolved 3G (LTE)					
	<ul> <li>6. You now have a working internet connection.</li> <li>7. IMPORTANT: <ul> <li>a) GO TO THE "QUICK SET" PANEL AND SELECT THE LTE ACCESS POINT (AP).</li> <li>b) CHANGE THE ROUTER LOGIN PASSWORD.</li> </ul> </li> </ul>					
	None       None       Set					
	Notation         1 / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 / 0 /					