

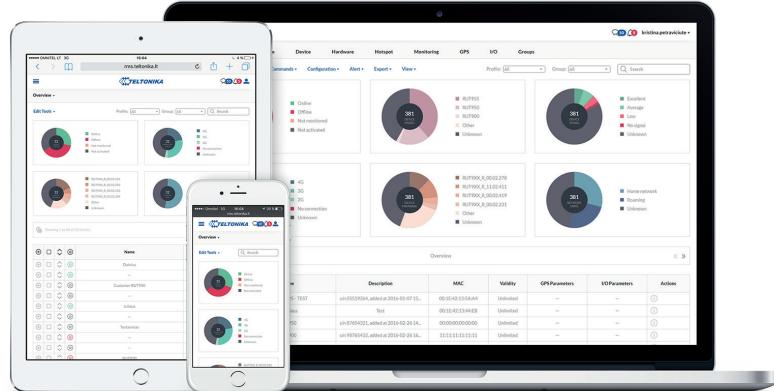
TELTONIKA Router & Gateway Overview



SECTRON is an official authorized partner to sell and install TELTONIKA networking products designed to make your connectivity reliable, secure and quick to deploy. TELTONIKA products will help you build a solid IoT, M2M or enterprise networking infrastructure and advanced remote management capabilities will enable you to manage it with ease.

Portfolio Highlights

- ROUTERS are equipped with a variety of wireless and wired connectivity options and technologies
- RutOS based on Linux OpenWRT has become one of the most functional router operating systems in the market
- TRB programmable M2M gateways come with a variety of interfaces such as Ethernet, RS232, RS485 or Inputs/Outputs
- Remote Management System (RMS) as a centralized Cloud-based platform for remote monitoring, configuration and control



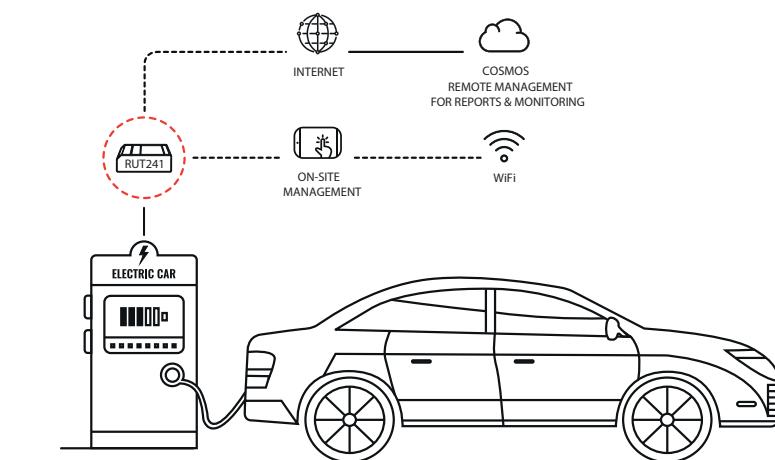
Routers comparison

Products key features	RUT241	RUT300	RUT360	RUT951	RUT956	RUTX09	RUTX10	RUTX11	RUTX12	RUTX14	RUTX50	RUTXR1	TCR100
Range	EASY	EASY	EASY	ADVANCED	PROFESSIONAL	ADVANCED	ADVANCED	ADVANCED	ADVANCED	PROFESSIONAL	PROFESSIONAL	ADVANCED	HOME
2G/3G	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
4G (LTE), Category	Cat4	Cat6	Cat4	Cat4	Cat6			Cat6	2×Cat6	Cat12	Cat20	Cat6	Cat6
5G										•			
GNSS								•	•	•			
WiFi standard	n	n	n				ac	ac	ac	ac	ac	ac	ac
RS232						•							
RS485						•							
USB		Host		Host	Host	Host	Host	Host	Host	Host	Host	Host	Host
Bluetooth						•	•	•	•	•	•	•	
DIN Rail mounting	•	•	•	•	•	•	•	•	•	•	•	•	
Rack mounting													•
Flat surface mounting	•	•	•	•	•	•	•	•	•	•	•	•	•
SIM card slots	1	1	1	2	2	2		2	2	2	2	2	1
Aluminium housing	•	•	•	•	•	•	•	•	•	•	•	•	
CPU, MHz	580	650	650	580	580	717	717	717	717	717	717	717	650
Number of cores	1	1	1	1	1	4	4	4	4	4	4	4	1
RAM, MB	128	64	128	128	128	256	256	256	256	256	256	256	128
Flash memory, MB	16	16	16	16	16	256	256	256	256	256	256	256	16
Ethernet ports	2	5	2	4	4	4	4	4	5	5	5	5	2
Ethernet speed, Mbps	100	100	100	100	100	1000	1000	1000	1000	1000	1000	1000	100
Passive PoE	•	•		•	•	•	•	•	•	•	•	•	
Power Supply voltage, V DC	9-30	7-30	9-30	9-30	9-30	9-50	9-50	9-50	9-50	9-50	9-50	2×(9-50)	9-30
Inputs/Outputs	2	2	2	2	8	2	2	2	2	2	2	2	
Grounding terminal						•	•	•	•	•	•	•	
RMS support	•	•	•	•	•	•	•	•	•	•	•	•	
RutOS	•	•	•	•	•	•	•	•	•	•	•	•	

RUT241 Case study for EV charging stations

Circontrol's DC quick charging station is a complex and comprehensive hardware and software solution connected to Circontrol's advanced "COSMOS" cloud-based platform. It is used to collect and store data from a specific set of EV chargers for monitoring and reporting. In addition, it allows operators to address different actions such as subscribe and unsubscribe users and manage their permissions and profiles as required.

EV charger log is also included with a goal to reduce the fault resolution time, obtaining a quick diagnosis if any charger is not working as it should. Teltonika RUT241 is a crucial intermediary between EV charger, platform and the operator to ensure that Circontrol's EV chargers are always operating to their full potential. The router is plugged in via Ethernet interface and provides a stable and secure connection via LTE to Circontrol's platforms. In addition, WiFi hotspot functionality allows simple on-site inspection and management of preferred settings.



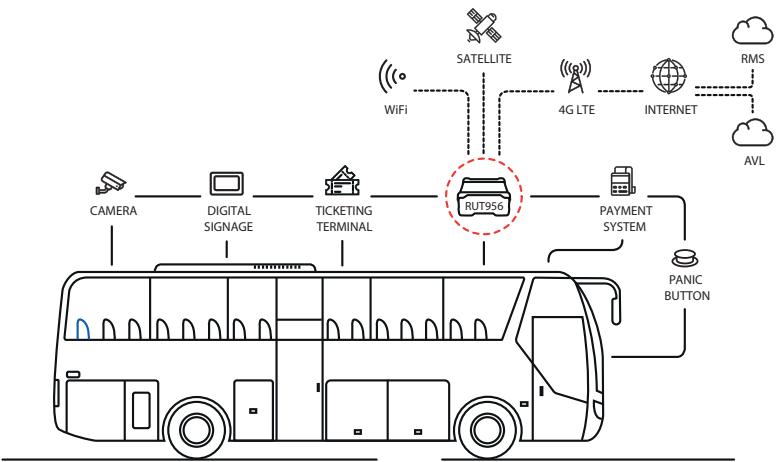
Modems, Gateways and Switches comparison

Products key features	TRM240	TRM250	TRB140	TRB141	TRB142	TRB143	TRB145	TRB245	TRB255	TRB500	TSW100	TSW101	TSW110	TSW200	TSW210	TSW010	TSW114	TSW304
Category	Modem	Modem	Gateway	Gateway	Gateway	Gateway	Gateway	Gateway	Gateway	Gateway	Switch	Switch	Switch	Switch	Switch	Switch	Switch	Switch
2G/3G	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-								
4G (LTE), Category	Cat1	M1/NB	Cat4	Cat1	Cat1	Cat4	Cat1	Cat1	M1/NB	Cat20								
5G										•								
GNSS										•								
WiFi standard																		
RS232					•					•	•							
RS485										•	•	•						
USB	Slave	Slave	Slave	Slave	Slave		Slave			Slave								
DIN Rail mounting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rack mounting																		
Flat surface mounting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SIM card slots	1	1	1	1	1	1	1	2	2	1								
Aluminium housing	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CPU, MHz		1200	1200	1200	1300	1200	650	650	1500									
Number of cores		1	1	1	1	1	1	1	1									
RAM, MB		128	128	128	256	128	64	64	256									
Flash memory, MB		512	512	512	512	512	16	16	512									
Ethernet ports		1			1		1	1	1	1	5	5	5	8	8	5	5	4
Ethernet speed, Mbps		1000			1000		100	100	1000	1000	1000	1000	1000	1000	100	1000	1000	1000
Passive PoE											•					•	•	•
PoE out											802.3af/at PoE out	802.3af/at PoE out		802.3af/at PoE out				
Power Supply voltage, V DC	5	5	9-30	9-30	9-30	12-30	9-30	9-30	9-30	7-57	9-30	9-30	7-57	7-57	9-30	9-30	9-30	7-57
Inputs/Outputs			2	8	2	2	2	4	4	2								
Grounding terminal											•	•	•	•	•	•	•	•
Sleep mode			•	•														
RMS support																		
RutOS																		

RUT956 Case study for public transport

RUT956 by Teltonika is a single device able to address most onboard connectivity challenges with ease. It is favored amongst our partners in the transport field due to a reliable connection, it is able to provide using auto switching dual SIMs, a large number of physical interfaces and E-mark certification ensuring full compliance with a number of important requirements when mounting additional devices in aftermarket automotive vehicles.

- Provide accurate location tracking services using embedded GNSS module
- Connect up to seven 1080p30 CCTV IP security cameras due to robust and reliable Cat4 LTE
- Provide secure passenger hotspot with advertising and landing page for convenient and managed browsing
- Empower Digital Signage screens across the vehicle for informational and advertising services
- Give connectivity to existing or new ticketing terminals via Ethernet or Serial to ensure card payments or collect and upload ticketing statistics to operator's platform



Routers comparison

Products key features	Order code (Standard package)	Standard package content						
		Power supply	Mobile Antenna	LTE Antenna	WiFi Antenna	GNSS Antena	Bluetooth Antenna	Ethernet Cable
TRB140	TRB140003000	Euro adapter		1x				0.8 m
TRB141	TRB141003000	Euro adapter		1x				0.8 m
TRB142	TRB142003000	Euro adapter		1x				0.8 m
TRB143	TRB143000000	Euro adapter		4x	2x	1x	1x	1.5 m
TRB145	TRB145003000	Euro adapter		1x				0.8 m
TRB245	TRB245000000	Euro adapter		1x		1x		1.5 m
TRB255	TRB255000000	Euro adapter	1x			1x		1.5 m
TRB500	TRB500000000	Euro adapter	4x				1.5 m	0.8 m
TRM240	TRM240000000			1x				0.8 m
TRM250	TRM250000000		1x					0.8 m
TSW100	TSW100000000	Euro adapter						
TSW010	TSW010000000							
TSW101	TSW101000000							
TSW110	TSW110000000	Euro adapter						
TSW114	TSW111000000							
TSW200	TSW200000010							
TSW210	TSW210000010							
TSW304	TSW304 000000							
RUT241	RUT241011000	Euro adapter		2x	1x			1.5 m
RUT300	RUT300000000	Euro adapter						1.5 m
RUT360	RUT360000000	Euro adapter		2x	2x			1.5 m
RUT951	RUT951100000	Euro adapter		2x	2x			1.5 m
RUT956	RUT956100000	Euro adapter		2x	2x	1x		1.5 m
RUTX09	RUTX090000000	Euro adapter		2x		1x		1.5 m
RUTX10	RUTX100000000	Euro adapter			2x		1x	1.5 m
RUTX11	RUTX110000000	Euro adapter		2x	2x	1x	1x	1.5 m
RUTX12	RUTX120000000	Euro adapter		4x	2x	1x	1x	1.5 m
RUTX14	RUTX140000000	Euro adapter		4x	2x	1x	1x	1.5 m
RUTX50	RUTX500000000	Euro adapter	4x		2x	1x		1.5 m
RUTXR1	RUTXR100000000	Euro adapter		2x	2x			1.5 m
TCR100	TCR100000000	Euro adapter		2x				1.5 m

For more information on all available packaging options – please contact us directly
Different antenna types (cable length, connectors) or regional power adapters are available

Accessories compatibility

Accessories	Order code	TRB140	TRB141	TRB142	TRB143	TRB145	TRB245	TRB255	TRB500	TRM240	TRM250	TSW100	TSW010	TSW101	TSW114	TSW200	TSW210	RUT241	RUT300	RUT360	RUT951	RUT956	RUTX09	RUTX10	RUTX11	RUTX12	RUTX14	RUTX50	RUTXR1	TCR100
Power cable with 4-way screw terminal	PR2FK20M	.	.	.	.	.						.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Automotive power supply	PR2AM20M	.	.	.	.	.						.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EU/UK power supply, 9 W	PR3PUEU3/PR3PUK3	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Universal power supply, 9 W	PR3PUPS3	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
EU/UK power supply, 18 W	PR3PXEU3/ PR3PXU3	.																												
EU/UK power supply, 24 W	PR3P2EU3/ PR3P2UK3																													
EU/UK 2pin power supply, 62 W	PR317EU4/ PR317UKA																													
DIN Rail power supply	PR3PDNP0	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Combo MIMO mobile/GNSS/WIFI roof SMA antenna	PR1KCQ28																													
Combo MIMO mobile roof SMA antenna	PR1KCL25																													
Combo SISO mobile/GNSS/WIFI roof SMA antenna	PR1KCS28																													
Combo QUAD mobile/GNSS roof SMA antenna	PR1KCL28																													
GNSS adhesive SMA antenna	PR1KSG30																													
5G mobile magnetic SMA antenna	PR1KSS36																													
5G mobile connector antenna	PR1IUS540																													
Mobile adhesive SMA antenna	PR1AS420	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mobile magnetic SMA antenna	PR1KSC210	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mobile connector SMA antenna	PR1IUS440	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mobile angled compact connector SMA antenna	PR1IUS450	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mobile straight compact connector SMA antenna	PR1CS450	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
WIFI magnetic SMA antenna	PR1KRF30																													
WIFI connector SMA antenna	PR1URF51																													
WIFI dual band magnetic SMA antenna	PR1KRD30																													
WIFI dual band connector SMA antenna	PR14RD35																													
Bluetooth magnetic SMA antenna	PR1KRT25																													
Compact DIN rail kit	PRSMEC11	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
DIN rail kit	PRSMEC00	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Surface mounting kit	PRSMEC12	.	.	.	.	.	.	.				.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.