

Teltonika RUTX12 - 3G/4G CAT6 Dual Module Router with WiFi / GPS / Bluetooth

SKU: M2M-TE-00017

MPN: RUTX12

Barcode: 4779027312743

Description

RUTX12 is the first router in its class to offer twin 4G modem modules, allowing concurrent connectivity of two mobile networks. This dual connectivity mode provides 2+0 style failover protection and load balancing features. RUTX12 is an LTE-Advanced modem providing Cat 6 data rates up to 600 Mb/s via 2C CA in load-balancing mode between the two LTE chipsets.

The router's two modem chips each have two antenna connectors, providing four 4G antenna connections. This allows aiming of two separate 2x2 MIMO external antennas to two different towers.

RUTX12 provides high speed local WiFi connectivity, operating as a Wave-2 802.11ac Dual Band WiFi access point with speeds up to 867 Mb/s. The modem also supports USB along with Bluetooth LE for simplified industrial IO with its own dedicated antenna connection.

The modem has a built in GNSS / GPS module, allowing customised tracking to be installed on the modem, along with remote management through ...

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This device is developed from a beefed up Quad Core ARM



Teltonika

In 21 years we have launched to mass production over 100 different devices in IoT, Networking, Connected vehicles, Asset and personal Tracking areas. That makes over 8.600.000 million devices sold worldwide in over 150 different countries. Although these numbers are impressive, Teltonika is more than that – we are about innovating, inspiring, connecting, educating and reliable partnership.

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Network Interfaces

Wireless Interfaces

Cellular Module

Technologies:	3G UMTS, 4G LTE	Chipset/Module:	Quectel EP06
Failover:	Automatic		

4G LTE Specifications

MIMO:	2x2 MIMO	DL Category:	Cat 6
LTE Bands:	B1	UL Category:	Cat 5
B3		Carrier Aggregation:	2C CA
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B5			
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B7			
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B8			
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B20			
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B32			
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B38			
,			
B40			
,			
B41			

SIM Cards	
Quantity	SIM Type
2	Standard SIM (2FF)

Modem RF Connectors

RF Connector Function	Quantity	RF Interface
Cellular	2	SMA Female

Bluetooth Interface

Protocol:	Bluetooth 4.0
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Device RF Interface		
RF Connector Function	Quantity	RF Interface
Bluetooth	1	RP-SMA Female

GNSS Module

Technologies:	BeiDou, Galileo, GLONASS, GPS, QZSS
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Device RF Interface		
RF Connector Function	Quantity	RF Interface
GNSS	1	SMA Female

WiFi Module

No. Radios:	2	Max. Clients:	100
Max. Throughput:	867 Mb/s	No. Antennas:	2

WiFi Radios	
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Radio Name (Optional)	WiFi Standard	Frequency Bands	MIMO
Radio 2.4 GHz	802.11n	2.4 GHz	2x2 MIMO
Radio 5 GHz	802.11ac Wave 2	5 GHz	2x2 MIMO

WiFi RF Connectors

RF Connector Function	Quantity	RF Interface	Notes
WiFi	2	RP-SMA Female	Both 2.4 and 5 GHz Radios

Ethernet Interfaces

Interface	Quantity	Function	Signalling
RJ45 Copper	4	LAN	100BASE-T, 1000BASE-T
RJ45 Copper	1	WAN	100BASE-T, 1000BASE-T

Physical Specification

Subtype:	Cellular Modem	Dimensions:	132 × 95 × 44 mm
Min. Operating Temperature:	-40 °C	Weight:	540 g
Max. Operating Temperature:	75 °C	Materials:	Aluminium
		Mounting:	Teltonika Modem Screw Pattern
		Compliance/Certifications:	RCM

IO Interfaces

IO Connector	Quantity
USB-A 2.0	1

Power Specifications

Max. Consumption:	22 W	Typical Consumption:	4 W
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Power Interface

Power Connector	Min. Input Voltage	Max. Input Voltage	Voltage Type
Terminal Block, 4-Position	9 V	50 V	DC

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