

QuCAM for RUT240

Outdoor CCTV dual SIM LTE PoE gateway with embedded PoE switch for CCTV cameras

QuCam 240 is a powerful outdoor industrial gateway for professional CCTV application with embedded PoE switch for up to 3x CCTV cameras and LTE & Wi-Fi router. QuCam 240 also has integrated omnidirectional LTE and Wi-Fi antennas. The mobile router delivers high performance for mission-critical cellular communication in harsh and hazardous environments where a wide operating temperature is required. Equipped with an external SIM holder.



OUTDOOR

Use Teltonika router wherever you want

ANTENNA

Maximize your signal with QuWireless antennas

SOLUTION

Plug Teltonika router and you are good to go

LTE SPECIFICATION

FREQUENCY	0.694 - 0.96 GHz 1.7 - 2.2 GHz 2.5 - 2.7 GHz
GAIN	0.694 - 0.96 GHz: 2 dBi 1.7 - 2.2 GHz: 2 dBi 2.5 - 2.7 GHz: 4 dBi
Supported LTE/5G bands	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 33, 34, 35, 36, 37, 38, 39, 44, 59, 62, 65, 66, 67, 68, 69, 85, n80, n81, n82, n83, n84, n86, n89, n95
VSWR	<1.50, max <2.50
BEAMWIDTH	360°/25° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

WI-FI SPECIFICATION

FREQUENCY	2.40- 2.50 GHz
GAIN	2.40- 2.50 GHz: 3 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	4x RJ45 + SIM adapter
DIMENSIONS	277,0 x 269,8 x 76,9 mm 10.90 x 10.62 x 3.03 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F

PoE SWITCH SPECIFICATION

LAN Ports	6x RJ45 10/100Mbps
PoE Input	1x Passive PoE input 44-60V (LAN_5)
PoE Output	4x Active PoE 802.3af/at (LAN_1-4) 1x Passive PoE output 24V/7.2W (LAN_6)
PoE Output protection	LAN_1-4: 0.75A, LAN_5: 1.25A (separate resettable fuses)
Passive PoE mode	mode B (4,5+) (7,8-)
LEDs	1x Power on (white, on board), 6x Link (orange, on port), 6x Transmit (green, on port)
Operating temperature	-10°C ... +40°C
Installation	4x holes ø2.5mm
Dimensions	73mm x 145mm x 17mm (WxLxH)
Weight	69.5g

POWER SUPPLY MECHANICAL INPUT SPECIFICATION

MTBF	30,000 operating hours confidence-level at 80% load, 25°C
Operating temperature	-10°C ... +45°C
Storage temperature	-20°C ... +85°C
Humidity	5% @ 0°C, 90% @ 40°C
Size	146 x 59 x 30mm (LxWxH)
Safety	CE: EMC/LVD / FCC Part 15 Class B/ EN55022 Class B/ EN55024

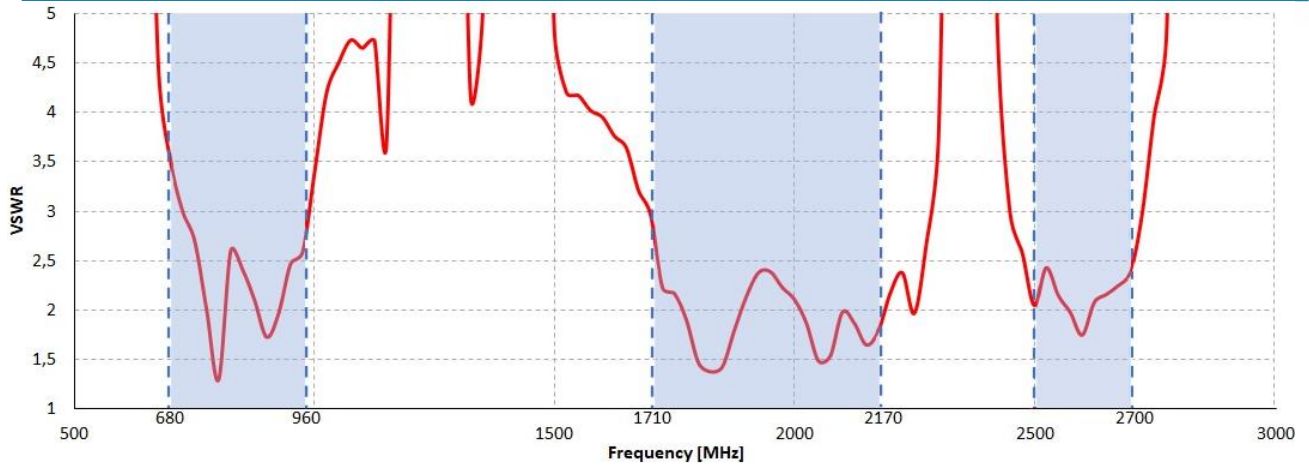
POWER SUPPLY ELECTRICAL INPUT SPECIFICATION

Input voltage	110 ... 240VAC
Input frequency	50 ... 60Hz
Input current	max. 2A RMS
Inrush current	max. 30A
AC leakage current	max. 3.5mA
Efficiency	min. 80% @ 100VAC, 84% @ 240VAC
Dielectric strength (primary to secondary)	2kVAC/5mA/1s
Input socket	IEC320-C6
AC power cord	1.5m length, 3 pins EU or UK plug

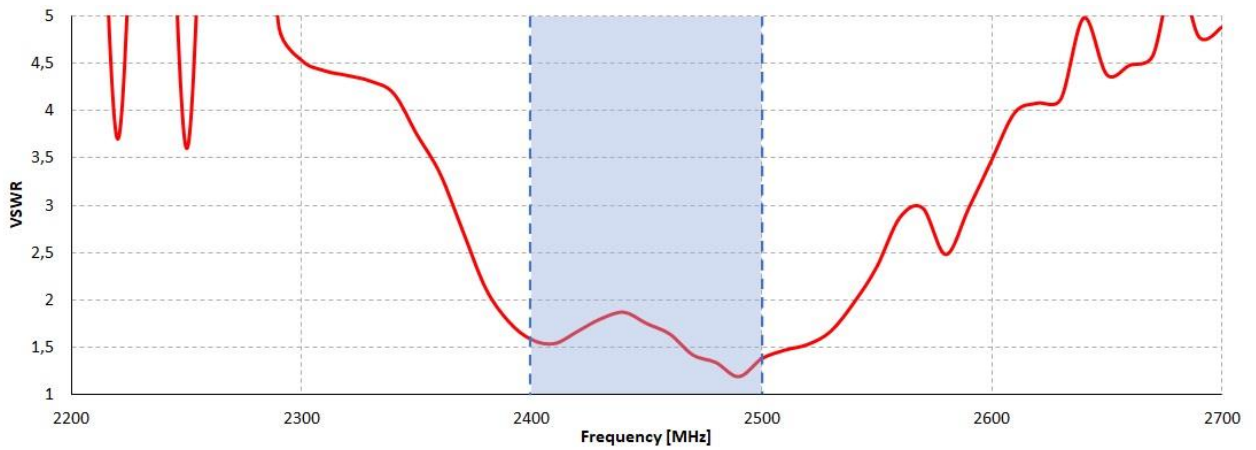
POWER SUPPLY ELECTRICAL OUTPUT SPECIFICATION

Output voltage	56VDC
Min. load	0A
Max. load	1A
Peak load	1.46A
Output power	56W
Line regulation	± 3%
Load regulation	± 5%
Ripple	560mV _{pp}
Turn on delay time	max. 5s
Rise time	max. 40ms
Hold up time	min. 5ms
Overshoot	max. 15%
Protections	Short circuit, over current (110 ... 200% of DC output)
Ethernet ports	Input (LAN): 1x RJ45 10/100Mbps Output (PoE): 1x RJ45 10/100Mbps
PoE mode	mode B: pins 4,5 + / pins 7,8 -
LEDs	Green: Power supply is on, Orange: PoE device connected

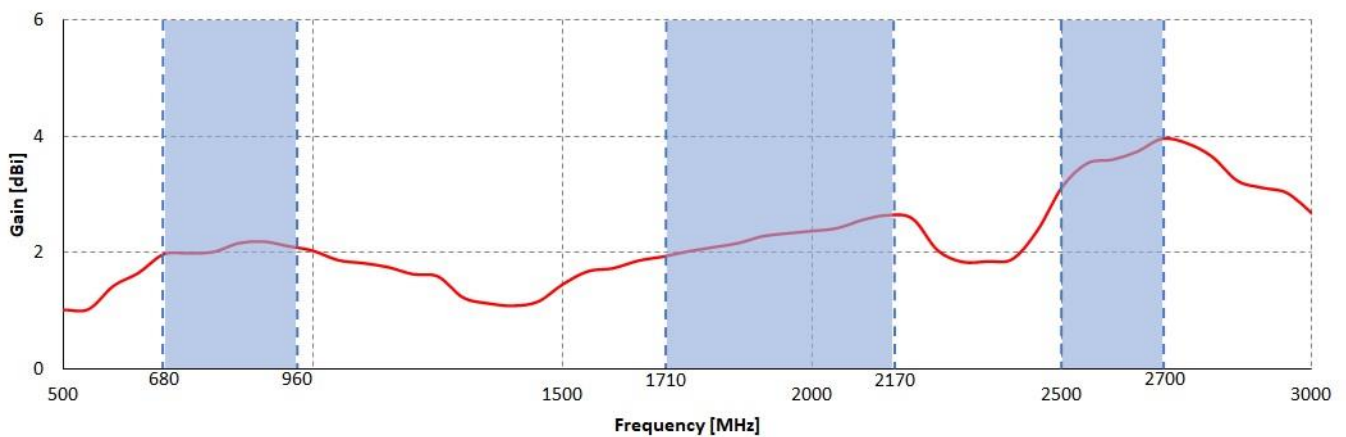
VSWR for LTE antenna



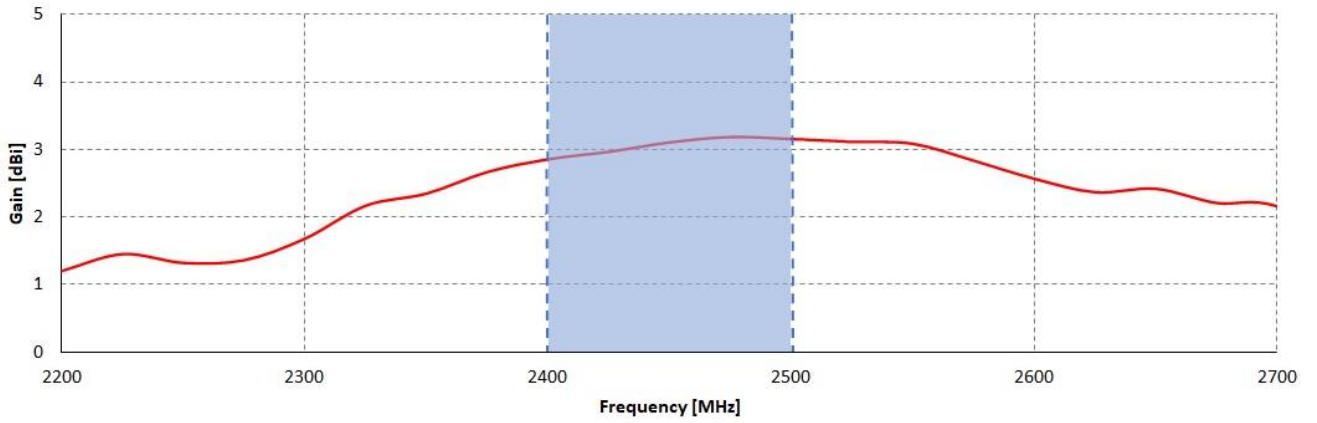
VSWR for Wi-Fi antenna



GAIN for LTE antenna



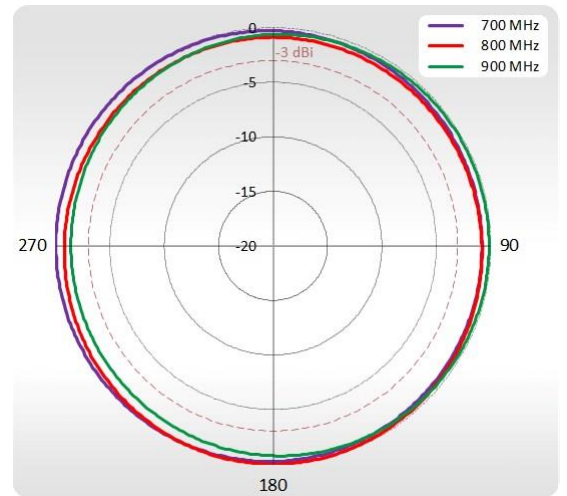
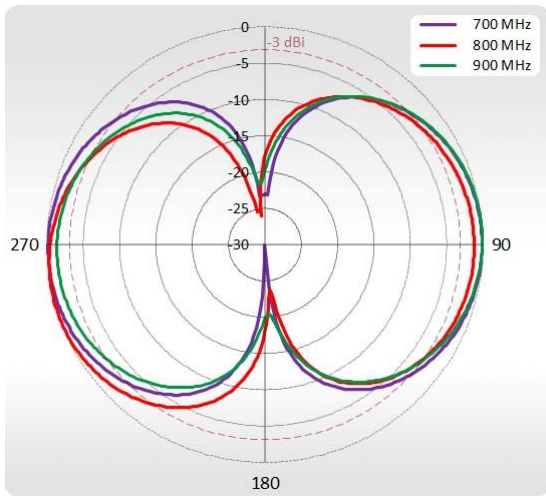
GAIN for Wi-Fi antenna



PLOTS

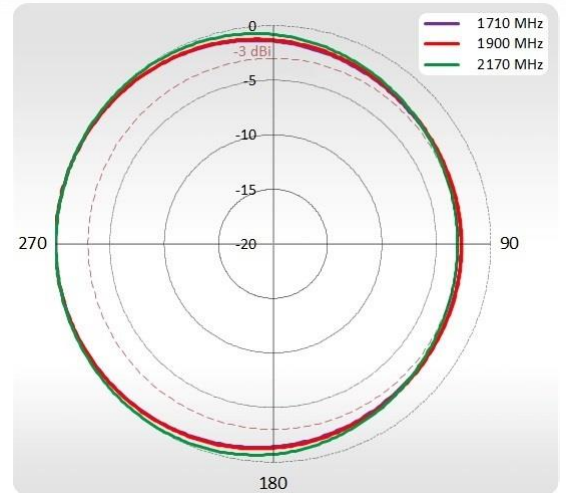
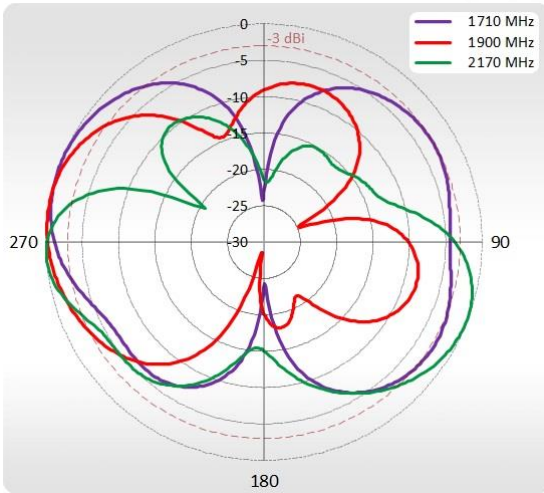
700-900 MHz Elevation

700-900 MHz Azimuth



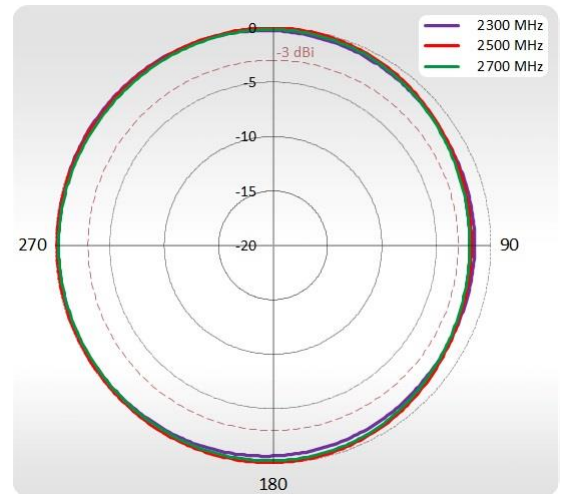
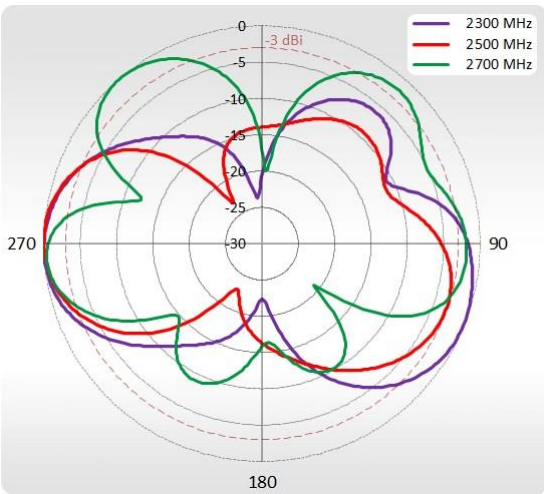
1710-2170 MHz Elevation

1710-2170 MHz Azimuth



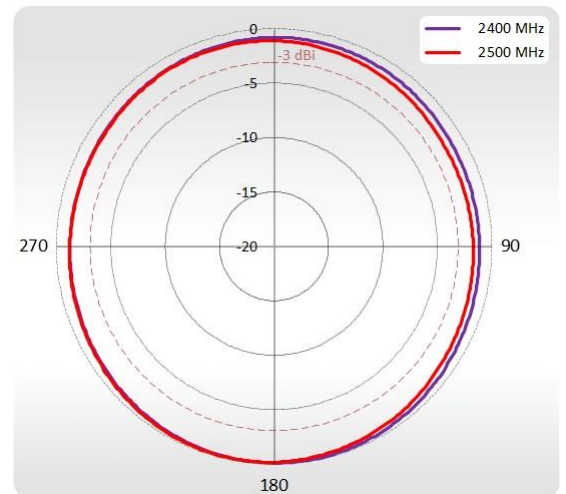
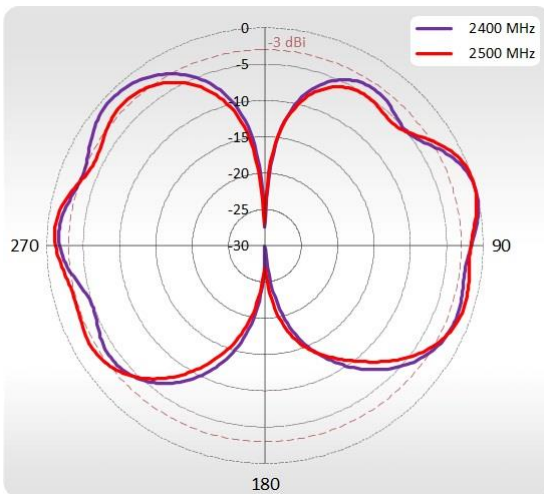
2500-2700 MHz Elevation

2500-2700 MHz Azimuth



Wi-Fi Elevation

Wi-Fi Azimuth



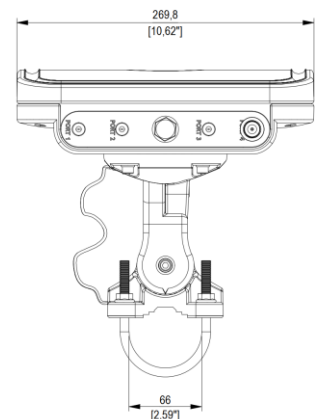
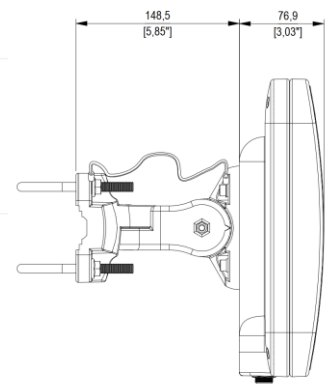
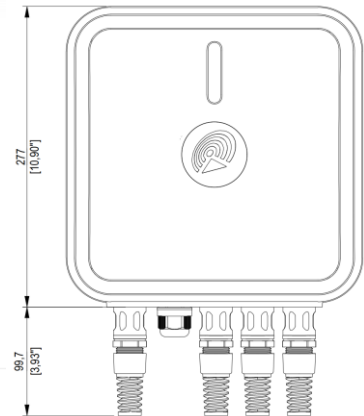
DEVICE SPECIFICATION**DIMENSIONS****TELTONIKA RUT240**

Compact but powerful 4G LTE & WiFi cellular router with Ethernet and I/O. Great for quick deployment in mission critical IoT applications where advanced Networking, VPN and security features are needed.

[RUT240 Datasheet](#)

[RUT240 User Manual](#)

[RUT240 Quick Start Guide](#)

**HEADQUARTER:**

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