

# SimRush Omni

A small package with huge ambition - the SimRush Omni (CAT6) is an upgrade of our extremely cost-effective SimRush Omni (CAT4) model.

This model features a dual-band (2.4 / 5 GHz) wireless card and its new CAT6 LTE modem enables even greater download speed - up to 300 Mbps!

CAT6-ca also enables carrier aggregation and allows the device to use multiple bands at the same time. A huge advantage when there are a lot of LTE users in the area. It provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside.

The SimRush Omni has two Gigabit Ethernet ports - you can use the device as a wired router with LTE backup via the Micro SIM slot. Alternatively, you can enjoy smooth wireless experience anywhere - indoors or outdoors. The SimRush Omni is designed to deliver strong and reliable connection in almost any situation and weather conditions. It can withstand temperatures from -30 C° to +60 C° and can be easily mounted on walls, ceilings or poles.

Powering options include PoE in - 18-57v (802.3af/at supported) or DC Jack - 10-57v DC.



## Specifications

	SR-Omni
Product	SR-Omni
CPU	IPQ-4018 716 MHz
CPU core count	4
10/100/1000mb Ethernet ports	2
LAN ports	2
AUX ports	0
ODU ports	Integrated
Fibre SFP port	0
Dimensions	185 x 85 x 30mm
Mounting	Desktop / Pole mount / Wall mount
Operating ambient temperature	-30°C .. +60°C
Max power consumption	14w
Power options	PoE In - 18-57v - 802.3af/at supported DC Jack - 10-57v DC

### Wireless Specifications

2.4GHz WiFi generation	Wi-Fi 4
2.4GHz protocols	802.11 g/n
2.4GHz chains	Dual-Chain - 2x2 MiMo
2.4GHz Operating frequency	2412 - 2484 MHz
2.4GHz Antenna gain	2.5 dBi
2.4GHz wireless chipset	IPQ-4018
5GHz WiFi generation	Wi-Fi 5
5GHz protocols	802.11 n/ac
5GHz chains	Dual-Chain - 2x2 MiMo
5GHz Operating frequency	5150 - 5875 MHz
5GHz Antenna gain	2.5 dBi
5GHz wireless chipset	IPQ-4018
Antenna beam width	360°

### LTE Specifications

LTE antenna gain	4 dBi
Antenna beam width	360°
LTE category	6 (300 Mbps downlink, 50 Mbps uplink)
Mini SIM slots	1
PoE in	Ether 1

### Supported LTE Bands

LTE (FDD) bands*	1 (2100MHz) / 2 (1900MHz) / 3 (1800MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 5 (850MHz) / 12 (700MHz) / 17 (700MHz) / 25 (1900MHz) / 26 (850MHz)
LTE (TDD) bands*	38 (2600) / 39 (1900) / 40 (2300) / 41n (2500)

\* Common UK Bands are 1 (2100), 3 (1800), 7 (2600) & 20 (800)