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# **Robustel R3000-L4L LITE Industrial Router, CAT-4, Dual-SIM, FE, RS232, RS485, USB**

SKU  
M2M-RO-00018  
MPN  
R3000-L4L

## Description

The Robustel Industrial Dual SIM Cellular VPN Router (R3000 Lite) is a rugged cellular router offering state-of-the-art mobile connectivity for machine to machine (M2M) applications.

R3000 Lite is a powerful router developed from RobustOS, a Robustel self-developed and Linux-based operating system which is designed to be used in Robustel devices. The RobustOS includes basic networking features and protocols providing customers with a very good user experience.

Meanwhile, Robustel offers a Software Development Kit (SDK) for partners and customers to allow additional customization by using C, Python or Java. It also provides rich Apps to meet fragmented IoT market demands.

DIN rail mount available.

A cost effective, industrial-grade VPN gateway designed for cost-sensitive M2M applications.

- Dual SIM redundancy for persistent 2G/3G/4G cellular network connections
- RobustOS + SDK + App
- IPsec/OpenVPN/GRE/L2TP/PPTP/DMVPN
- Management and maintenance via Web/CLI/SMS/SNMP/RobustLink Cloud
- Robust industrial design (9 to 36V DC, desktop or wall mounting or DIN rail mounting)



## Robustel

Robustel are one of the world's leading manufacturers of industrial quality solutions for the IoT and M2M market. Robustel's portfolio of award-winning solutions are comprised of: Wireless Modems, Routers, Gateways, EDGE Computing, Cloud Software and End-to-End IoT solutions.

Founded in 2010 in Guangzhou, China - Robustel has been concentrating on producing the highest quality IoT products possible ...

# Network Interfaces

Wireless Interfaces  
Cellular Module  
Technologies  
[3G UMTS](#), [4G LTE](#)

## 4G LTE Specifications

MIMO  
[2x2 MIMO](#)  
LTE Bands  
[B1](#)

,  
[B3](#)

,  
[B5](#)

,  
[B7](#)

,  
[B8](#)

,  
[B28](#)

,  
[B40](#)

DL Category  
Cat 4  
UL Category  
Cat 3  
SIM Cards

Quantity	SIM Type
2	<a href="#">Standard SIM (2FF)</a>

Modem RF Connectors

RF Connector	Function	Quantity	RF Interface
Cellular		2	<a href="#">SMA Female</a>

Ethernet Interfaces

Interface	Quantity	Function	Signalling
<a href="#">RJ45 Copper</a>	1	LAN	<a href="#">100BASE-T</a>

# Physical Specification

Subtype

[Cellular Modem](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

75 °C

Ingress Protection

[IP30](#)

Dimensions

105 × 98 × 29.5 mm

Weight

305 g

Materials

[Aluminium](#)

Compliance/Certifications

[CE](#)

,

[RCM](#)

,

[RoHS](#)

IO Interfaces

IO Connector		Quantity	Notes
USB-A 2.0		1	
DE-9 Serial		1	1x RS-232 & 1x RS-485

Power Specifications

Power Options

DC Power Input

Typical Consumption

1.2 W

## Power Interface

Power Connector	Nominal Voltage	Min. Input Voltage	Max. Input Voltage	Voltage Type
Terminal Block, 3-Position	12 V	9 V	36 V	DC

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