

RobustVPN App Datasheet

*“Cost-effective on demand remote device connectivity”
Ubiquitous remote VPN connectivity for Robustel Devices*

Robust VPN is an innovative application of Cloud Based VPN tunnelling technology to provide Robustel routers with fixed private IP addresses that allow easy remote access from anywhere in the world. Robustel’s Microsoft Azure hosted server takes care of the complicated setup issues typically associated with OpenVPN including certificate exchange and passwords.

RobustVPN is entirely SIM independent – this means ANY SIM card from any provider can be used and a fixed IP service is effectively overlaid on top of that 4G SIM.

How does RobustVPN Work?

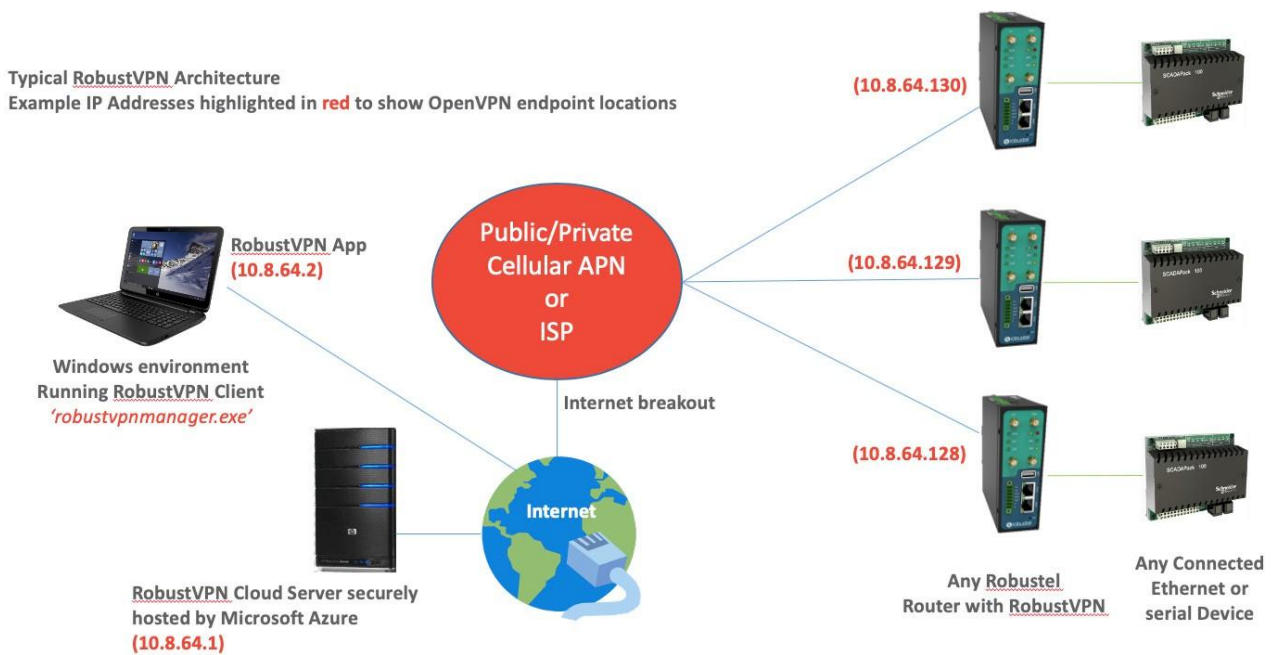


Figure 1.0 - “RobustVPN Overview”

The diagram above provides a simple overview of how configuring RVPN on your Robustel devices can provide powerful remotely accessible virtual LAN at the press of a button.

RobustVPN is also “bearer independent” – this means that not only can it work on any 4G SIM, it can also work across any wired or wireless internet connection giving complete flexibility when the available internet connection type on each site may vary.

RobustVPN is even used across Satellite modem (VSAT) connections on global shipping routes!

Point-to-Point & Point-to-multipoint applications are also supported by RobustVPN as individual routers can address by their OpenVPN (Virtual) IP addresses.

*RobustVPN is available to any customers with an RCMS Advanced License
or using the STACK version of RCMS in a private server environment.*

VPN Management through RCMS

#	VPN Status	SN	Device Name	Virtual IP	SubNet Address	VPN Traffic	License	Action
1	Enabled	01472619025018	R2000_UK_BRIGHTON	10.8.64.130	192.168.0.32/28	270.20 MB	Advanced	On
2	Enabled	01870418045001	R3000_UK_test	10.8.64.129	192.168.0.0/28	0 B	Advanced	Off
3	Enabled	01874419110000	R3000-4L_Backup	10.8.64.135	192.168.0.112/28	0 B	Basic	Off
4	Enabled	01874419110001	R3000-4L_EG25-G_Main	10.8.64.133	192.168.0.80/28	4.03 MB	Advanced	Off
5	Enabled	02272019035002	R2000E4L2_test	10.8.64.131	192.168.0.48/28	13.85 MB	Advanced	Off
6	Enabled	02570218045204	R3000LITE_TEST	10.8.64.128	192.168.0.16/28	0 B	Basic	Off
7	Enabled	04471319055001	LD66CARUHM	10.8.64.138	192.168.0.160/28	19.16 MB	Advanced	Off
8	Enabled	04870119100015	R1510_B	10.8.64.137	192.168.0.144/28	17.62 MB	Advanced	Off

Figure 2.0 - RobustVPN enabled devices can be monitored and enabled/disabled from anywhere in the world using RCMS

How does RobustVPN compare to fixed IP SIM Cards?

Another way to overlay a fixed IP addressing scheme on remote 4G devices is to use Fixed IP SIM cards from specialist MNOs and MVNOs that provide SIM cards with an additional VPN service. For those with familiarity of such services, the following comparison may be of use:

Feature	Fixed IP SIM Card	RobustVPN
Remote access to IoT Devices globally?	Yes	Yes
Type of VPN	Varies	OpenVPN
Bearer	Cellular only	Cellular, WiFi & Ethernet WAN
SIM Dependant	Yes	No - Works with ANY SIM
Flexible Grouping	Varies	Very Flexible
Point-to-Point	Varies	Yes - Using Port Forwarding
Point-to-Multipoint	Varies	Yes - Using Port Forwarding
Long-term Contract?	Generally	Not Required (Month-to-Month)

Figure 3.0 - RobustVPN comparison with typical Fixed IP service from SIM provider

It is important to note that RobustVPN is generally not a competitive proposition to providers of SIM cards but more often a supplementary solution for when traditional Fixed IP + VPN solutions do not provide sufficient flexibility. The two solutions can work well together to cover a wide range of use cases.

To start using RobustVPN make sure you have created an account on RCMS (<https://rcms-cloud.robustel.net>), your Robustel device is connected to the platform and allocated an Advanced License.

Then simply add your Device to a VPN Group and press Start