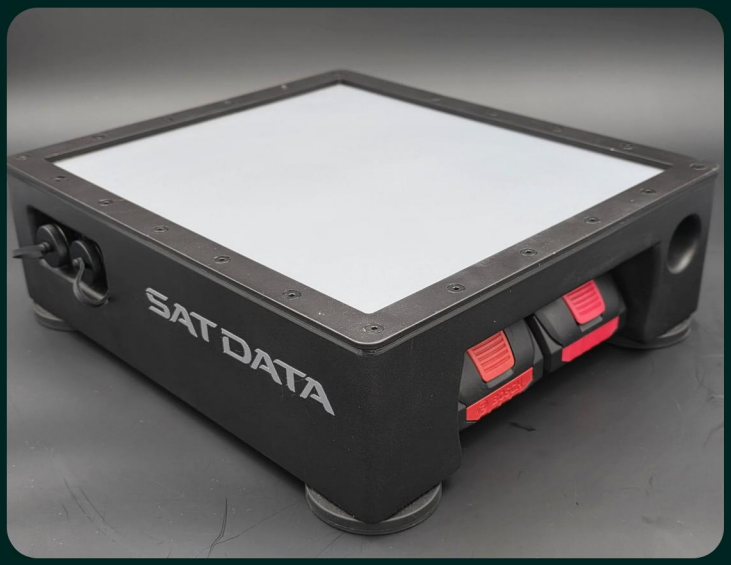
SATELLITE + 4G/5G IN ONE RUGGED UNIT

SatData Vanguard

Rugged, fully integrated unit for fast, reliable internet anywhere. Starlink Mini, a Cradlepoint R920 router and replaceable batteries in a water- and dustproof housing, for defence, industry and emergency response.



Starlink + 5G
hybrid, bonding available

3x RJ45
each port directly connected to the internet

2x 4 Ah
replaceable Bosch ProCore batteries, hot-swappable

IP67 / IP69K
water- and dustproof, can be hosed down

EVERYTHING ON BOARD

Key features

- Starlink Mini + 4G/5G, bonding into one connection available
- 3x RJ45 port, each directly connected to the internet
- 8 dBi high-gain internal antennas for 4G/LTE, 5G and WiFi
- 2x Bosch ProCore 4 Ah replaceable batteries, hot-swappable
- Mounting with rubber magnetic base or vacuum (SeaSucker)
- Remote management via NetCloud and the Starlink app
- Router of your choice, Cradlepoint R920 as standard
- WiFi 6 (Cradlepoint) and WiFi 5 (Starlink)
- USB-C PD to charge phones, tablets and laptops
- Chargers 230V→18V and 12/24V→18V: charge inside the unit
- Water- and dustproof, IP67 and IP69K: can be hosed down
- Cyber and network security (Cradlepoint IDS/IPS)

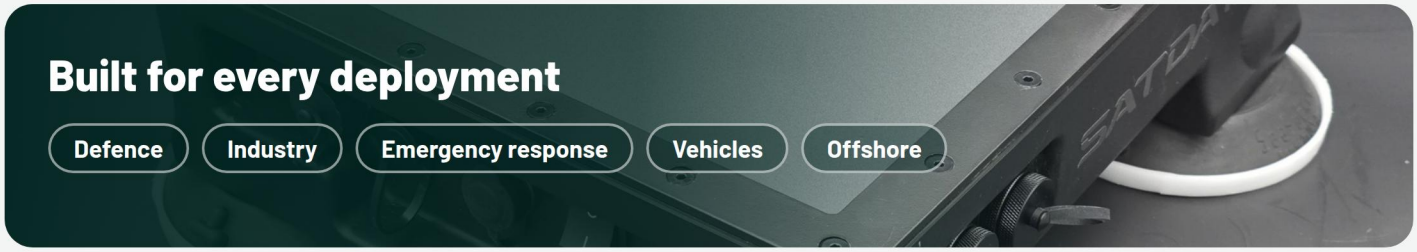
VERSION

Model and dimensions

Model	Housing	Mounting	IP	Batteries	Weight	Dimensions
Vanguard Standard	Plastic/carbon	Magnet or vacuum	IP67 / IP69K	2x 4 Ah ProCore	~1-3 kg	330 x 290 x 95 mm

14 SatData models with battery capacity up to 100 Ah, each with its own specifications per sector and use case.

Router of your choice: Cradlepoint R920 as standard. Also with Celerway XM2 or GO, Peplink BR1 Mini 5G or Teltonika (bonding via WANplex).



UNDER THE HOOD

Technical specifications

Starlink Mini

Dimensions	298.5 x 259 x 38.5 mm
Weight	1.1 kg
Speed	100+ Mbps down / 5-20 Mbps up
Latency	25-60 ms
Devices	max. 128 simultaneous
WiFi	802.11a/b/g/n/ac (WiFi 5)
Ethernet	1x RJ45
Power	25-40 W, 12-48V DC, USB-C PD 100 W
Rating	IP67, -22°C to +50°C

Cradlepoint R920 (standard)

Network	4G/5G LTE, Cat 7
Extras	GNSS, Bluetooth, WiFi 6
Modem	dual modem, 2 external SIM slots
Firewall	max. 940 Mbps throughput
Ethernet	3x RJ45
Dimensions	133.6 x 121.5 x 41 mm
Weight	595 g
Power	9-36V DC
Security	IDS/IPS, managed via NetCloud

Power

Batteries	2x Bosch ProCore 4 Ah, hot-swappable
USB-C PD	charges phone, tablet, laptop
Power bank	external option via USB-C
Mains	SatData charger 230V → 18V
Vehicle	SatData charger 12/24V → 18V
Charging	batteries charge inside the SatData

Antennas and mounting

Antennas	internal high-gain 8 dBi
Bands	4G/LTE, 5G and WiFi
Mounting	rubber magnetic base or vacuum
Vacuum	SeaSucker with protective caps

IMPRESSION

Available with vacuum SeaSucker or rubber magnetic base



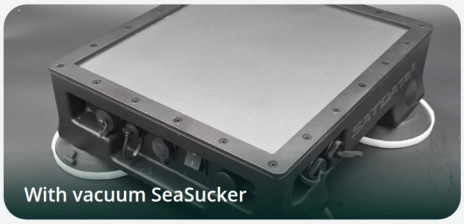
Front connections



Side view



Replaceable Bosch batteries


With vacuum SeaSucker


SeaSucker and batteries



USB-C and rear

EASY TO USE

Quick start

Inserting the SIM

Insert the SIM card gently and the right way round. Use tweezers when swapping if it is hard to reach.

Swapping a battery

Press the red button and slide the battery towards you. Refit in reverse order until you hear a click.

Using the SeaSucker

Remove the protective caps, place the unit on a flat surface and pump until the orange part is no longer visible. To release: press the tab inwards.

Clear view of the sky

The satellite antenna needs a clear view of the sky to work properly.

Bosch Professional only

Use only blue Bosch Professional batteries. ProCore is supplied as standard.

Hosing down allowed

The unit is rated IP67 and IP69K and can be hosed down with water.

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