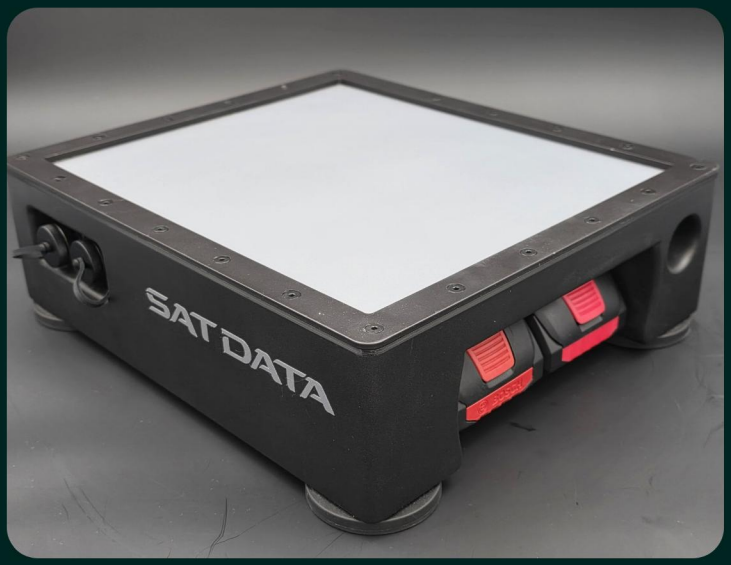
SATELLITE + 4G/5G IN ONE RUGGED UNIT

SatData Vanguard

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



Starlink + 4G
hybrid, Celerway multi-WAN

2x RJ45
Gigabit Ethernet, WAN or LAN

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 + 2x 4G, combined into one connection
- Up to 5 WAN connections at once, 950 Mbps
- 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)
- Managed via Celerway Nimbus and the Starlink app
- Router: Celerway GO Dual (2x LTE Cat 12)
- WiFi 5 dual-band (Celerway and 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
- VPN: Phantom VPN (180 Mbps) and IPSec

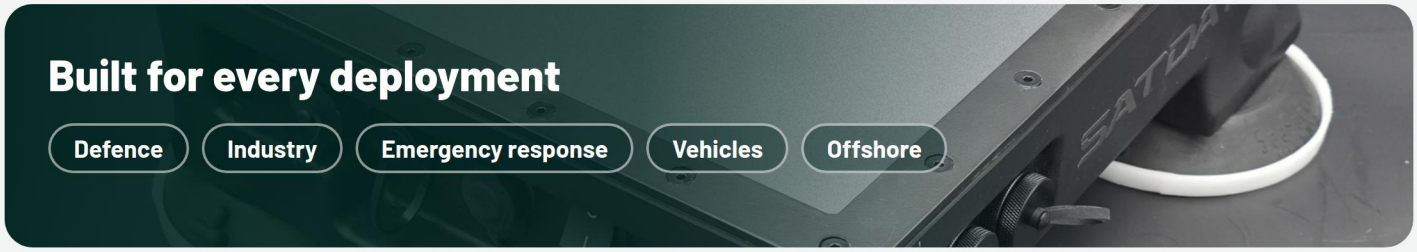
VERSION

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 in this version: Celerway GO Dual. Also available with Celerway XM2, Cradlepoint R920, 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

Celerway GO Dual

Network	2x 4G LTE Cat 12 (dual modem)
Speed	up to 2x 600 Mbps down / 2x 150 Mbps up
Load balancing	950 Mbps, up to 5 WANs at once
VPN	Phantom 180 Mbps, IPSec 60 Mbps
SIM	2x micro SIM, eSIM
Ethernet	2x RJ45 Gigabit (WAN/LAN)
Dimensions	79 x 141 x 30 mm
Weight	330 g, 10,000 mAh battery
Power	USB-C 5V/3A, 8-20 W
Temperature	+5°C to +35°C

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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