RDK 2.0

SATCOM-POWERED RAPID DEPLOYMENT KIT

RDK 2.0, powered by the innovative Starlink Mini, redefines critical communications with its advanced capabilities. This compact terminal, equipped with WiFi 5 technology, supports up to 128 devices. Engineered for complete autonomy, RDK 2.0 features built-in batteries, allowing uninterrupted operation without reliance on external power sources. For mobile connectivity, a car kit is available upon request, enabling communications-on-the-move (COTM).

Seamlessly integrated into IEC Telecom's advanced network management ecosystem, RDK 2.0 provides unmatched control and support. Technical teams can perform remote maintenance and troubleshooting while end-users retain full visibility and control over their onboard network through the intuitive OptiView interface. RDK 2.0 is a dependable connectivity companion, engineered for flexibility, efficiency, and convenience.

FEATURES

High-speed,
low latency

Advanced network
management

Car kit for mobile connectivity
(optional)

Portable
(carry-on size)

WiFi5

Autonomous Use
(two power banks)

SPECIFICATIONS

CASE
Weight: less than 9kg
Dimensions: 472 x 421 x 219 mm

ANTENNA - STARLINK MINI
Type: Electronic phased array, software-assisted manual orientation
Dimensions: 79 x 334 x 430 mm
Weight: 1.10 kg; 1.16 kg (with kickstand)
Environmental Rating: IP67 Type 4
Field of View: 110°
Input: 12 – 48V, 60W

POWER BANKS
Capacity: 27,650 Mah x 2 power banks
Output: 250 W

PERFORMANCE AND ENVIRONMENT
Operating Temperature: -30°C to 50°C
Wind Rating: 96 kph+
Snow Melt Capability: Up to 25 mm/hr

CONNECTIVITY
High-speed: over 100 Mpbs
Low Latency: 26 ms on average
WiFi: 802.11 a/b/g/n/ac
Radio: Dual Band – 3x3 MU-MIMO
Security: WPA2
Range: Up to 112 m²
Ethernet LAN Port: Includes Starlink Plug
USB PD Requirement: 100W, 20V/5A
Device Connections: Up to 128 devices

POWER CONSUMPTION
Power Usage: 16 – 40W

ACCESSORIES
Starlink power cable: 15m to AC
Starlink AC charger
Starlink power cable: 3m USB C 60-100W
1 x AC/DC charger (cigarette lighter – USB C)

Optional: Ethernet cable
Optional: Rapid Battery Charger

OPTIVIEW
Access advanced network management via OptiView dashboard:
• Subscription Managementt
• Usage Details Report
• Credit Limit Control
• Advanced Filtration
and more

USE CASES

CRITICAL OPERATIONS
RDK 2.0 is ideal for critical operations, providing rapid internet access for humanitarian teams and first responders. Its quick deployment ensures seamless communication while command centres maintain real-time visibility of team movements and can relay urgent updates instantly, enabling efficient and coordinated emergency responses.

ENTERPRISE
RDK 2.0 supports enterprises in maintaining seamless operations at remote or temporary sites. By enabling efficient communication, remote monitoring, and uninterrupted workflows, it ensures project teams can collaborate effectively and meet deadlines, even in locations with minimal infrastructure.

PUBLIC SERVICES
RDK 2.0 enables public programmes, such as mobile clinics, legal advisory services, and banking, to reach underserved communities. With reliable on-the-go connectivity, governmental initiatives and critical support can be delivered equally to all, regardless of location.