HIVERADAR®

HiveRadar Rapid Deployment Kit (RDK)
Portable Cellular Wireless Gateway

Introducing the HiveRadar Rapid Deployment Kit (RDK): Available with two distinct cellular wireless gateway options.

- Designed for seamless wireless connectivity regardless of location
- Includes all deployment components inside the case
- Integrates an extendable carbon fiber pole up on the case for up to 12 feet height
- Dual SIM slot with automatic failover for reliable cellular connectivity
- WAN interface for primary or secondary traffic backhaul with Ethernet or cellular connection
- Gateway mounts atop the carbon fiber pole to enhance signal acquisition and wireless coverage
- Supports dual-band Wi-Fi for improved wireless communication
- Features built-in firewall for network protection
- Suitable for various deployment scenarios, including temporary installations
- Flexible management options to suit different operational needs

Reliable Field Operations: Even in locations beyond cellular reach, the RDK can be paired with alternative backhaul solutions like Starlink to ensure your project site is always connected. It's the ideal choice for maintaining consistent communication critical to safety and productivity, no matter the environment.

Optimized Connectivity: Enhance your gatherings with the RDK's superior wireless reach, ensuring continuous connection for attendees, staff, and media, even in remote locations.

Streamlined Operations Anywhere: The RDK ensures unyielding wireless connectivity for both bustling construction sites and dynamic on-the-go broadcasting environments. It supports seamless communication that is critical for safety, coordination, and real-time reporting, whether updating construction progress or delivering live news and film feeds. This network reliability helps maintain productivity and broadcast continuity, no matter the location.

RDK Kit Specifications

Case Dimensions:
L22" (55.8cm) x W14"(35.5cm) x H9"(22.8cm)

Ethernet Cables:
Custom braided CAT7 cable - 12ft (3.66m)

PowerPack:
100wh LiFePo4 HR EnergyBar Battery

AP Input Power Source:
PoE+ or DC*

Stability:
2 Articulating Stabilizer legs

Optional Items:
AirTag Holder
Shoulder Strap
TSA Latch
Backpack attachment
Spare battery from HR power pack
Battery tray for Ventev/ AccelTex battery
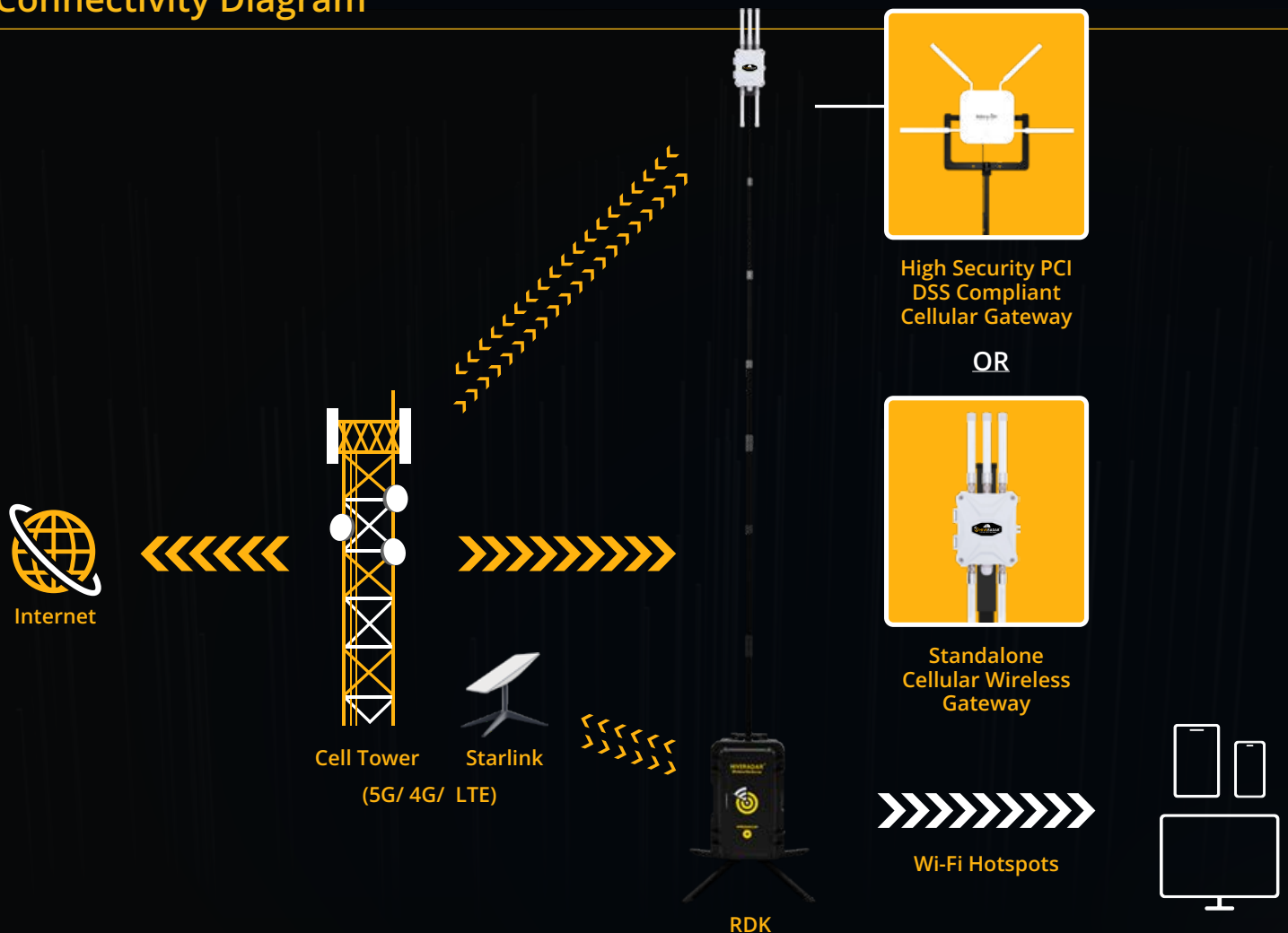
Run Time:
PoE+ - up to 14 hours
DC* - up to 22 hours

AP Max Mounting Height:
12 ft (365.7cm)

Mounting Scenario:
Universal Pole Mount

Connectivity Diagram

High Security PCI DSS Compliant Cellular Gateway

OR

Standalone Cellular Wireless Gateway

Internet

Cell Tower (5G/ 4G/ LTE)

Starlink

RDK

Wi-Fi Hotspots

High Security PCI DSS Compliant Cellular Gateway Specifications

Antennas:
4 x 5G Omnidirectional Antennas

Subscription:
Subscription Required

Operating Temperature:
32 °F to 104 °F
0 °C to 40 °C

VPN:
IPsec VPN
Up to 150 Mbps throughput for both VPN Cloud and IPsec
Supports up to 20 concurrent VPNs

Power Input:
IEEE802.3bt(type-3)/at PoE Input (2.5 GbE port)
Input DC 12 VDC/1A

Sim Card Slot:
Dual Nano-SIM Cards**

Firewall:
NGFW technology, including packet inspection and IDS/IPS

Wi-Fi Network:
Supports up to 4 SSIDs per frequency band
WPA/WPA2 PSK
Hidden SSID
MAC address filtering (up to 50 MAC)
Client isolation

Management:
Cloud-managed only, preventing local misconfiguration
Remote access for configuration, monitoring, and diagnostics

WAN Interface:
1 x 10/100/1000/2500 Mbps Ethernet Port with 802.3af/at PoE
5G or LTE Cellular Interface, Dual SIM, Single Radio (Active/Standby)

LAN Interface:
4 x 10/100/1000 Mbps Ethernet Port

Wi-Fi Interface:
2 x 2 802.11 a/b/g/n/ac/ax

Standalone Cellular Wireless Gateway Specifications

WAN Interface:
1x 10/100/1000 BASE-T Ethernet
1x Embedded 5G Modem

LAN Interface:
1x 10/100/1000 BASE-T Ethernet

Wi-Fi Interface:
802.11 a/b/p/g/n/ac wave2

Antennas:
3 x 5G Omnidirectional Antennas
2 x Wi-Fi Omnidirectional Antennas

Subscription:
No Ongoing Support Subscriptions Required

Sim Card Slot:
Dual Nano-SIM Cards**

Download Speed*:**
5G NSA: 3.4 Gbps
5G SA: 2.4 Gbps

Upload Speed:
5G NSA: 550 Mbps
5G SA: 900 Mbps

Recommended Max Concurrent Wi-Fi Clients:
129

Power Input:
802.3at PoE+ (WAN or LAN Interface)
DC 12V 1.5~2.0A

Temperature (non-condensing):
Working: -30 to +70°C
Storage: -40 to +85°C

Firewall:
Port forwarding, custom rules, MAC filter

Wi-Fi Network:
SSID, Guest Wi-Fi, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK Mixed Mode

Management:
Web UI interface
SSH

* - For DC power contact us

** - Sim Cards have to be prior activated with data allowance.

*** - Performance ratings are subject to variations based on your internet service provider's speeds and the specific plan you have subscribed to. Actual speeds may vary.