

NetCrate

Portable Network Gateway for Disaster Relief Operations

NetCrate provides reliable, multi-source connectivity for disaster relief organizations deploying to affected areas. Designed to support both team operations and public access from a single ruggedized kit.

Core Features

Multi-Carrier Connectivity	T-Mobile, Verizon, and AT&T; cellular with automatic failover + optional Starlink satellite integration (Gen 2 or Mini via ethernet)
Dual Network Architecture	Physically separated networks: priority bandwidth for team operations, rate-limited public access for civilians
Rapid Deployment	Under 5 minutes from case opening to full operation
Automatic Failover	Seamless switching between connections when any source degrades or fails
Smart Power Management	AC/DC/battery operation: 5–6 hours on battery (cellular networking only) Note: Starlink draws ~250W; extended Starlink use requires AC or external power
Ruggedized Design	Carbon fiber case, weather-resistant, designed for field deployment conditions

Technical Specifications

Model	NetCrate 1.2a	Connectivity	Multi-carrier cellular + optional Starlink
Power Input	AC: 100–240V DC: 12V	WiFi	Dual-band (private + public)
Internal Battery	256Wh LiFePO4	Deployment	Under 5 minutes
Power Draw	~80W cellular only ~250W with Starlink	Operating Temp	32°F to 104°F

Ideal For

- Emergency shelters requiring public WiFi access alongside staff operations
- Command centers in areas with damaged telecommunications infrastructure

- Field operations requiring redundant connectivity across multiple carriers
- Disaster response teams deploying to remote or infrastructure-limited areas

Configuration Options

Option A	\$3,500	NetCrate gateway with multi-carrier cellular connectivity (customer provides Starlink dish)
Option B	\$4,500	Complete kit including NetCrate gateway + Starlink Gen 2 dish and router

NetCrate hardware is pre-configured. Customer activates cellular data (typically tablet/data-only plans, \$10–40/month per carrier) and Starlink service on their own accounts. One-time activation process takes 30–60 minutes with provided guides.