

SKY5G

NEXT-GEN CONNECTIVITY.
BUILT FOR WHAT MATTERS.

Fast. Reliable. Resilient.

Powered by **MuLCAT® Technology**

SkyMirr's patented MuLCAT® (Multi-Layer Coupling Controlled Antenna Technology) intelligently optimizes RF performance to deliver stronger signals, wider coverage and more reliable connectivity in challenging environments.



CES®
Innovation
Awards

2026
Honoree



THE PROBLEM

Businesses, communities, and mission-critical users need fast, reliable, and resilient connectivity.

Traditional routers are built with the antenna system as an afterthought—resulting in weak signals, poor indoor performance, and unreliable connections in challenging environments.



THE SOLUTION: SKY5G

SkyMirr Sky5G is an AI-powered wireless broadband solution built on patented MuLCAT® antenna technology, delivering intelligent RF optimization, fast, reliable, and resilient connectivity for businesses, communities, and mission-critical users.

Fully certified on T-Mobile's 5G network and T-Priority, it delivers exceptional performance where conventional routers struggle.



BENEFITS AT A GLANCE



Reliable Signal in Challenging Environments
Performs in rural areas where other routers fail. Resilient in high-density zones (urban downtowns, campuses, malls).



Enterprise Wi-Fi 7
Connect up to 512 devices with faster speeds across the entire business. Supports POS, cameras, tablets, scanners, laptops, IoT.



High Throughput & Low Latency
Speeds up to 3.4 Gbps download. Smooth video conferencing, reliable surveillance feeds, and fast cloud app performance.



Network Management System (NMS)
Remote monitoring, diagnostics, firmware updates and centralized device management.



Built for Business Continuity
No trenching or construction. Ideal for primary connectivity or failover. Auto-recovery firmware, VPN, firewall & remote management.



Easy Deployment & Centralized Control
Self-install in minutes with remote monitoring & updates. Multi-site rollouts supported.

WHY SKY5G IS DIFFERENT

SkyMirr flips the model with MuLCAT® antenna-first engineering, delivering superior performance where it matters most.



42%

**Farther
Tower Reach***

Extended reach to cell towers.



2x

**Coverage
Area***

More coverage with the same signal.



**Up to
3.4 Gbps**

**Download
Speed**

High-speed internet for demanding apps.



311 ft

**Wi-Fi
Radius**

Stronger Wi-Fi coverage area.

AI-driven MuLCAT® antenna-first engineering for superior real-world performance.

*Compared to traditional routers with standard antenna systems.

USE CASES



PROFESSIONAL OFFICES

- Cloud apps
- VoIP & video
- Multi-device networks



RETAIL & RESTAURANTS

- POS uptime
- Guest Wi-Fi vs staff Wi-Fi
- Digital signage
- Security cameras



RURAL AREAS

- Small offices
- Farms
- Community centers
- RV & Mobile Broadband



PUBLIC SAFETY

- Mobile command posts
- Emergency operations
- Temporary disaster recovery sites
- EOC backup connectivity



CONSTRUCTION & FIELD SERVICES

- Portable broadband
- Trailer connectivity
- Project uploads, inspections

APPROVED FOR USE BY

- ✓ Police, Fire, EMS
- ✓ Emergency operations
- ✓ Public works
- ✓ School districts
- ✓ Utility & infrastructure agencies

TECHNICAL HIGHLIGHTS

- 4x4 MIMO 5G
- Full FR1 band support (600 MHz – 6 GHz)
- Wi-Fi 7 (4x4 MU-MIMO)
- Up to 512 devices
- 311 ft Wi-Fi radius
- 2.5 Gbps LAN/WAN
- VPN: IPSec, SSL, WireGuard

- TR-069 remote management
- Dual firmware images
- Auto-recovery and optional external SMA antenna ports

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