



SKYMIRR
BE AMAZED

**EMPOWERING
CONNECTIVITY
ANYWHERE**

THE PROBLEM

Across rural landscapes and congested urban centers, millions face limited or unreliable internet connectivity. Weak RF signals and inaccessible fiber leave gaps in access – holding back education, commerce, and life.

THE SOLUTION : SKY5G ROUTER

SkyMirr redefines connectivity with its groundbreaking Sky5G Router, delivering ultra-fast internet speeds and unparalleled coverage.

- **Unmatched Performance:** Achieve 5G download speeds of up to **1.2Gbps**.
- **Optimized for Any Environment:** Whether you're in a rural area, in an office building, or in a high-density urban center, SkyMirr Sky5G ensures reliable broadband connectivity.

REVOLUTIONARY TECHNOLOGY

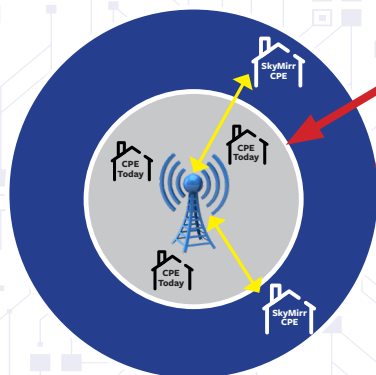
- **MuLCAT® Antenna:** Powered by advanced MuLCAT® technology, the Sky5G optimizes performance in real time using AI-driven algorithms.
 - Extends connectivity to hard-to-reach areas without requiring changes to existing carrier infrastructure.
 - Delivers significant performance improvements over today's antennas.
- **Over 75% Antenna Efficiency:** Across the entire 600 MHz to 6000 MHz FR1 spectrum, covering all 3GPP 4G LTE and 5G bands.



KEY BENEFITS

Discover the future of wireless broadband:

- **Expanded Reach on the Network Side:** Up to 42% farther connection to a Cell Tower compared to traditional router solutions.
- **Faster Data on the WLAN Side:** Wi-Fi 7 allows for 2x faster dataspeed in remote rooms, as well as up to 512 simultaneous connected devices.



**42% FARTHER
CONNECTION TO
A CELL TOWER**

**2X DATA
SPEED IN
REMOTE
ROOMS**



**SKYMIRR: BRINGING THE FUTURE OF WIRELESS
BROADBAND TO EVERYONE, ANYWHERE.**

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SKY5G TECHNICAL SPECS

Category	Items	Sky5G
Hardware	CPU	Qualcomm IPQ9570 Quad-Core ARM-A73 @2.2GHz, 1024KB cache
	Memory	RAM: DDR4 2GB, FLASH: SPI-NAND 256MB
	Buttons	Reset button, WPS button
	LEDs	Power – White, 5G NR – Blue, 4G LTE – Blue, Wi-Fi – Green
	SIM	1 x Nano USIM (4FF)
	Power	DC 12V/3A adapter, 100~240VAC, 50/60Hz
	Operating Temperature	o ~ 50°C
	Dimensions (WxHxD)	177 x 184 x 120 mm
Connectivity	Radio	Quectel RM520N-GL 3GPP release 16, sub-6, 4x4 MIMO, multi carrier component, up to 100MHz BW
	5G NR Bands	B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 29/ 30/ 32/ 34/ 38/ 39/ 40/ 41/ 42/ 43/ 48/ 66/ 71
	4G LTE Bands	B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 29/ 30/ 32/ 34/ 38/ 39/ 40/ 41/ 42/ 43/ 48/ 66/ 71
	Wi-Fi 7	Qualcomm IEEE 802.11 a/b/g/n/ac/ax/be, 4x4 MU-MIMO, four 2.4GHz + two 5GHz + two 6GHz concurrently, 20/40/80/160/320MHz bandwidth, BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation
	USB Port	1 x USB 3.0 type-C port
	GNSS	GPS/ GLONASS/ BDS/ Galileo/ QZSS
	Ethernet Ports	1 x 2.5Gbps Ethernet WAN port, 1 x 2.5Gbps Ethernet LAN port
	External RF Ports	4 x External SMA RF ports (Optional)
	Number of Devices	Up to 512 Simultaneously Connected Devices
Datarate (Max)	5G SA Sub-6	DL 2.4 Gbps; UL 900 Mbps
	5G NSA Sub-6	DL 3.4 Gbps; UL 550 Mbps
	LTE	DL 1.6 Gbps; UL 200 Mbps
	Wi-Fi 7	Up to 23 Gbps
Security	Firewall	Stateful Packet Inspection (SPI) Access Control Lists (ACL)
	Filtering	MAC/IP
	VPN	IPSec / SSL / WireGuard
	Protection	DoS/DDoS
Management	Device	SkyMirr Dashboard (GUI)
	Remote	TR-069 / USP
	Firmware	Dual Image, Automatic Updates (w/ signature verification)
	Recovery	Watchdog / Auto Recovery
	Data Smoothing	SkyMirr Custom Data Smoothing (Optional)
	Device Monitoring	SkyMirr Custom Real-time Health and Status Monitoring of all Connected Devices (Optional)
Certifications	Carriers	T-Mobile, Verizon, US cellular
	Other	PTCRB