

# MEET SPARK

k500a



SPARK

5G  
Verizon  
T-Mobile  
AT&T  
US Cellular

### SPARK K500A 5G ROUTER

Let your business move as fast as your ideas with this 5G Cat 19 extraordinaire. Not only does it look fab, it's ready to be connected to any network on day 1.

Dual-SIM

Built-in 6,400  
mAh Battery

# Business Hardware Without the B.S.

Some companies think “business-grade” means overpriced, overcomplicated, and impossible to set up.

### We think differently.

Katalyst builds cellular-enabled hardware designed for modern businesses and remote workforces—because in today’s world, internet should go where you go. Whether it’s an office, job site, or home workspace, our routers & connectivity solutions work on Verizon, AT&T, T-Mobile, and US Cellular, no wiring required.

### Meet the Katalyst SPARK 5G Business Router.

Work isn’t tied to a desk, and neither is the SPARK.

Built for businesses that need fast, flexible, and failproof connectivity, SPARK delivers 5G speeds up to 6 Gbps on any network with the ability to connect up to 200 devices at once.

Insert your SIM card. Turn it on. Connect.

Because internet should be easy.



HARDWARE		SOFTWARE FEATURES	
CPU	MediaTek Dual-core, @1.3GHz	Operating System	OpenWrt
Memory / Storage	DDR4 512 MB / eMMC 8GB	Network Mode	Routing, AP, Wireless Bridge, Wired Bridge
Ethernet Speed	10/100/1000/2500 Mbps	Ethernet Dialing Mode	DHCP, Static, PPPoE
External Antennas	6 x Antennas (4 for 5G NR, 2 for Wi-Fi)	Repeater Mode	Scans and connects to SSID Connects to hidden SSID
Power Consumption	<14W	5G Modem	Sets AT command · Automatic / Manual setting Receives SMS · Display signal strength
Wi-Fi	802.11 a/b/g/n/ac/ax, 574Mbps (2.4GHz) 802.11 a/b/g/n/ac/ax, 2402Mbps (5GHz)	Wireless Configuration	Switching on and off wireless AP · Modifying and hid- ing SSID · Modifying encryption mode and password · Channel modification · Bandwidth modification Modifying transmission power · Guest SSID
Battery	6400mAh/7.4V/47.4Wh		
Exterior Material	PC + ABS Plastic	Display Flow Statistics (KCloud Platform Required)	Display product model, name, IP address, MAC address · Current rate · Flow statistics · QoS setting
Dimension / Weight	6.10x3.74x1.93in / 1.68lbs	Client List	Show current connected clients Disable a client (no internet access)
INTERFACE		Firewall Function	Port forwarding · open port · DMZ
		VPN	OpenVPN client & server · WireGuard client & server Maximum OpenVPN Speed: 150Mbps   Maximum WireGuard Speed: 300Mbps · Policy routing
		System Function	Restart · Restore factory settings · Change IP address range on LAN side · Change time zone · MAC address clone · Encrypted DNS · DDNS · Cloud remote management · Remote web management · Remote SSH management · Installing / uninstalling packages · Drop-in Gateway mode · Multi-WAN
LED Indicator		PACKAGE LIST	
Ethernet Port	1 x 2.5G WAN, 1 x 1G LAN	What's in the box?	1 Spark Router
Power Port	DC5521, 12V/2.5A (5.5*2.1mm)		1 x Power Adapter + 4 Converters
ENVIRONMENT			(US, EU, UK & AU)
			2 x Wi-Fi Antennas
			4 x 5G NR Antennas
			1 x Ethernet Cable
Operating Temperature	0 ~ 40°C (32 ~ 104°F)		1 x User Manual
Storage Temperature	-20 ~ 45°C (-4 ~ 113°F)		1 x Warranty Card
Operating Humidity	5%~95%, non-condensing	1 x Wall Mount Kit	
Storage Humidity	5%~95%, non-condensing		