

KATALYST

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		Display Flow Statistics (KCloud Platform Required)
Exterior Material	PC + ABS Plastic	Client List	Show current connected clients Disable a client (no internet access)
Dimension / Weight	6.10x3.74x1.93in / 1.68lbs	Firewall Function	Port forwarding · open port · DMZ
INTERFACE		VPN	OpenVPN client & server · WireGuard client & server Maximum OpenVPN Speed: 150Mbps Maximum WireGuard Speed: 300Mbps · Policy routing
Reset Button	Press (>3s, <8s) restores network settings to device initial state OR Long press (>=8s) restores factory settings	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
TF Card Slot	TF card, maximum 1TB		
SIM Card Slot	2 x Nano SIM card (12.3mm x 8.8mm)		
USB Port	USB2.0 Type-A	PACKAGE LIST	
LED Indicator	Power / Battery / Internet / 2.4G Wi-Fi / 5G Wi-Fi / Signal Strength	What's in the box?	1 Spark Router
Ethernet Port	1 x 2.5G WAN, 1 x 1G LAN		1 x Power Adapter + 4 Converters
Power Port	DC5521, 12V/2.5A (5.5*2.1mm)		(US, EU, UK & AU)
ENVIRONMENT			2 x Wi-Fi Antennas
Operating Temperature	0 ~ 40°C (32 ~ 104°F)		4 x 5G NR Antennas
Storage Temperature	-20 ~ 45°C (-4 ~ 113°F)		1 x Ethernet Cable
Operating Humidity	5%~95%, non-condensing		1 x User Manual
Storage Humidity	5%~95%, non-condensing		1 x Warranty Card
			1 x Wall Mount Kit

