HORIZON

A Reliable Source For Wireless Connectivity
CBRS VoLTE Wireless Broadband Router

The Horizon I272 is a CAT A / EUD designed to meet the needs of service providers wanting to deliver high-speed broadband services to their customers using the shared-spectrum of the CBRS over LTE technology. Devices such as phones, tablets, laptops, gaming consoles, TV's and other smart devices can share Wi-Fi connectivity simultaneously.

Also, with VoIP/VoLTE support, users can connect their existing analog telephones to the router and enjoy a wide range of telephone features, such as Call Waiting, Conference, Speed Dial, Return Call, Redial and more.

Our device is FCC part 96 certified with a built-in SAS (Spectrum Access System) client to increase your service reach thanks to high-power signal transmissions and 4×4 MIMO high-gain antennas.

LTE CAT 12 LTE CAT 12 Speeds up to 560Mbps Downlink and 30Mbps Uplink	**CBRS** Support LTE band 48 (CBRS)
802.11ac Dual Band Wi-Fi 2.4/5GHZ	Support Bridge/Router Mode
Up to 64 connected devices	VoLTE/VoIP enabled, connect your home phone for calls over the internet
Secure network with advanced encryption and password protection features	Remote Management, TR-069, SNMP, FOTA, HTTP and Web-UI

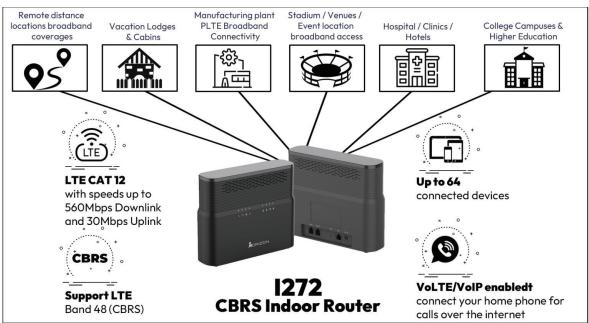|			
Air Interface		Technical Standard	Compatible with LTE-TDD 802.11 a/b/g/n/ac
		Frequency	LTE-TDD: B42/B43/B48
		Carrier Aggregation	DL Intra 2CA/3CA/4CA // UL Intra 2CA
		WIFI Frequency	2.4GHz & 5.8GHz, WIFI 2*2 MIMO, 802.11 a/b/g/n/ac
Performance		Maximum Data Throughput	3GPP Release LTE CAT 12; LTE-TDD 560Mbps (DL) / 30Mbps (UL)
Hardware		Receive Diversity	Support Receive Diversity
		MIMO	Support DL 4x4 MIMO
		Output Power	23 ± 2dBm
		BB Chipset	GCT - GDM7243A
		RF Chipset	GCT - GDM7243A
		WIFI Chipset	MTK - MT7621DA+MT7613+MT7603
		Memory	Module: 2GB+2GB // Board: 1GB
		Power Consumption	<12W
		Power Voltage	AC input 100~240V // DC output 12V 2A
		USIM/SIM	1 * USIM/SIM (3FF - Micro Sim Card)
		LED	8 LED Indicators (PWR, Wi-Fi, TEL, NET, RF Signal*4)
		USB	Not Support
		LTE Antenna & Gain	Built-in antennas: Main x2, Diversity x2; 5dBi Gain
		WIFI Antenna & Gain	Built-in antennas; 3dBi Gain
		Buttons	Reset
		Slic	SI32176
		Ethernet	1xLAN: 10/100/1000 auto-sensing, auto-MDI/MDIX 1xWAN
		RJ11	1xRJ11
		Reset	Tact Switch
		ESD	ESD Protection circuit; Contact±6KV, Air±8KV
		Battery	Not Support
Software	**Operation Mode**	NAT Mode	Support
		Route Mode	Support
		Bridge Mode	Support
	Device Management	SW Update	TR069, Local Update, FOTA
		TR069	Support
		SNTP	Support
		SNMP	Support
		HTTP	Support
	Network Protocols and Features	Multi-APN	Support
		APNs	Support DUAL STACK, 4 APNs
		NAT	Support
		SNTP/NITZ	Support
		Static Routing	Support
		Virtual server and DMZ	Support
		DNS relay and DDNS	Support
		IGMP Snooping	Support
		DHCP server	Support
		IPV4/IPv6 Dual Stack	Support
		UPnP	Support
		Band Lock	Support
		EARFCN Lock	Support
		PCI Lock	Support
		SIM Lock	Support
		Data Statistics	Support
		DMZ	Support
		Parents Control	Support
	VPN Pass Through	Ipsec	Support
		L2TP over Ipsec	Support
		GRE over Ipsec	Support
		L2TP V2/V3	Support
		GRE L2/L3	Support
		PPTP	Support
	Security and Firewall	MAC Address Filtering	Support
		IP Address Filtering	Support
		URL Filtering	Support
		DDOS	Support
		Port forwarding	Support
		WiFi Black/Whilte List	Support
	VoIP/VoLTE Functions	Call Features	Call Waiting, Hold /Resume, Forward, Transfer, Conferencing, 3-Way
		DTMF	Support
		FAX/Modem	Support
		SMS	Support
	Wi-Fi Functions	Maximum Users	64 Users Connected
		Encryption	OPEN & WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES)
		Hide SSID Broadcasting	Support
		AP Isolation	Support
		Guest Network	Support
Basic Information		Dimensions	About 204.5 x 169 x 60mm
		Weight	About 500g
		Color	Black
Operating Enviroment		Operating Temperature	-10°C-- +55°C
		Storage Temperature	-40°C-- +85°C
		Humidity	5%-95% Non-condensing
Certification			FCC Part 96 Authorized, FCC ID: 2AU8HSRT421

What's in the Box?

- Horizon CBRS Indoor Router
- Quick Start Guide
- Power Adapter
- Ethernet Cable

Remote distance locations broadband coverages

Vacation Lodges & Cabins

Manufacturing plant PLTE Broadband Connectivity

Stadium / Venues / Event location broadband access

Hospital / Clinics / Hotels

College Campuses & Higher Education

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Device Management Solution

Device Management Solution is available to offer a comprehensive, fully featured and robust solution to Carriers and CSPs to automate the deployment and support of data and voice services.

The software enables provisioning, management and support of modems, routers, hotspots and VoIP devices. The solution is based on a TR-069 standard and enables dramatic reduction of the provisioning costs and support for non-technical users.

Main Capabilities

- Remote management of devices
- Zero-Touch self-provisioning of new devices
- Support cost reduction tools
- Remote diagnostics and repair
- Self-healing and auto fix
- Preventive support calls features
- Mass update of groups of devices
- Remotely reboots and resets devices
- Firmware updates
- Device monitoring

**FOR MORE INFORMATION
PLEASE CONTACT HORIZONPOWERED.COM**

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