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Xunison Hub D80 5G

Outdoor 5G CPE

AX3000
Wi-Fi 6 Mesh

→ 2*2 MU-MIMO

→ eSIM embedded

→ Speeds up to 2.5 Gbps

→ IP67 Waterproof

5G Internet

Anytime, Anywhere

Product Introduction

Xunison Hub D80 is a high-performance outdoor CPE that supports global 5G Sub6G bands, and LTE DL Cat19 UE category with an ability to provide stable data, Wi-Fi, maintenance and management service to home and enterprise users. Besides 5G NR and WLAN functions, it also supports eSIM, SMS, firewall, VPN, QoS and satisfies multi-directional requirements of users.

Support 802.11 a/b/g/n/ac/ax

Latest wireless technology with backward compatibility

5G network

Worldwide 5G and LTE-A networks, provides the data rate up to 2.5 Gbps
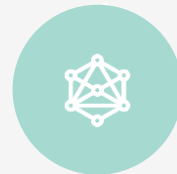
High-Performance Antennas

Internal 4*4 5G NR/LTE antennas, Internal 2*2 Wi-Fi antennas, multi-frequency coverage

Security Assurance

Stable firewall, Multiple filtering rules Multiple security protocols

Wi-Fi Mesh

Provides increased Wi-Fi coverage and eliminates the dead zones

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SPECIFICATIONS

Data Transmission rates	5G SA Sub-6 GHz: 2.4 Gbps (DL)/ 900 Mbps (UL)
	5G NSA Sub-6 GHz: 3.2 Gbps (DL)/ 550 Mbps (UL)
	LTE: 1.6 Gbps (DL)/ 200 Mbps (UL)
	UMTS: 42 Mbps (DL)/ 5.76 Mbps (UL)

Wireless LAN	Support 802.11 a/ b/g/n /ac/ax standards
	2.4GHz/5GHz frequency range
	20/40/80/160 MHz bandwidth
	Channel adaption
	MSSID (B) + Guest Network
	WPS: PBC/PIN modes
	WPA/WPA2/WPA3 security
	AP isolation/SSID isolation
	SSID and WAN binding
	DL/UL MU-MIMO & OFDMA
	Beamforming

Wi-Fi Mesh	Wi-Fi son/Easy MESH

Wi-Fi Antennas	Internal 2*2 2.4GHz & 2*2 5GHz antennas
	Omni-directional antennas
	Gain: >3dBi

5G NR/LTE Antennas	Internal: 4*4 5G/LTE antennas
	LMB: >2dBi
	HB: >5dBi
	Omni-directional antennas

Wireless Module	Auto/Manual network search
	SIM/BAND/Cell/PLMN Lock
	Optional physical SIM and eSIM
	Traffic statistics

Operation Mode	Bridge
	Route

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Security	Built in firewall
	Defense of DoS ARP attacks/Port scan
	MAC/URL filtering
	802.1x

Quality of Service control	802.11e WMM
	Classification of service flow*
	Port/VLAN/ IP rate limitation

Network Protocols and Features	Connection modes: PPPoE/DHCP/Static
	IPv4, IPv6, IPv4/IPv6
	DHCP v4/v6 server
	Static (v4/v6) routing
	NAT/ALG/DMZ/virtual server
	ARP/ICMP/DNS proxy
	NTP
	VLAN
	VPN: PPTP L2TP/IPSec

Frequency Bands supported	5GNRNSA/SA: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/ n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/ B26/B28/B29/B30/B32/B66/B71
	LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48
	WCDMA: B1/B2/B4/B5/B8/B19

Management	Web UI local management
	TR069 remote management
	Universal Plug and Play (UPnP)
	Online and local software
	Update/rollback
	Syslog monitoring
	Local diagnostic

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Platform	CPU: Qualcomm 2 core A53, 1.0GHz
	Modem: Qualcomm X62

Physical Interface	Optional 2.5GE and GE port
	Optional FXS phone port
	2 x SIM slot

Buttons	WPS/MESH
	Reset

LED indicators	5G NR indicator
	4G LTE indicator
	Wi-Fi indicator
	Power indicator

Physical Specification	Dimensions: L273×W219×H66.9mm
	Operating temperature: –30°C to 65°C
	Storage temperature: –40°C to 70°C
	Humidity: 5% to 95% (non-condensing)
	Protection: IP67

Package Includes	Xunison Hub D80 5G
	Quick Start Guide
	Power Adapter

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DEVICE IMAGES

Images	
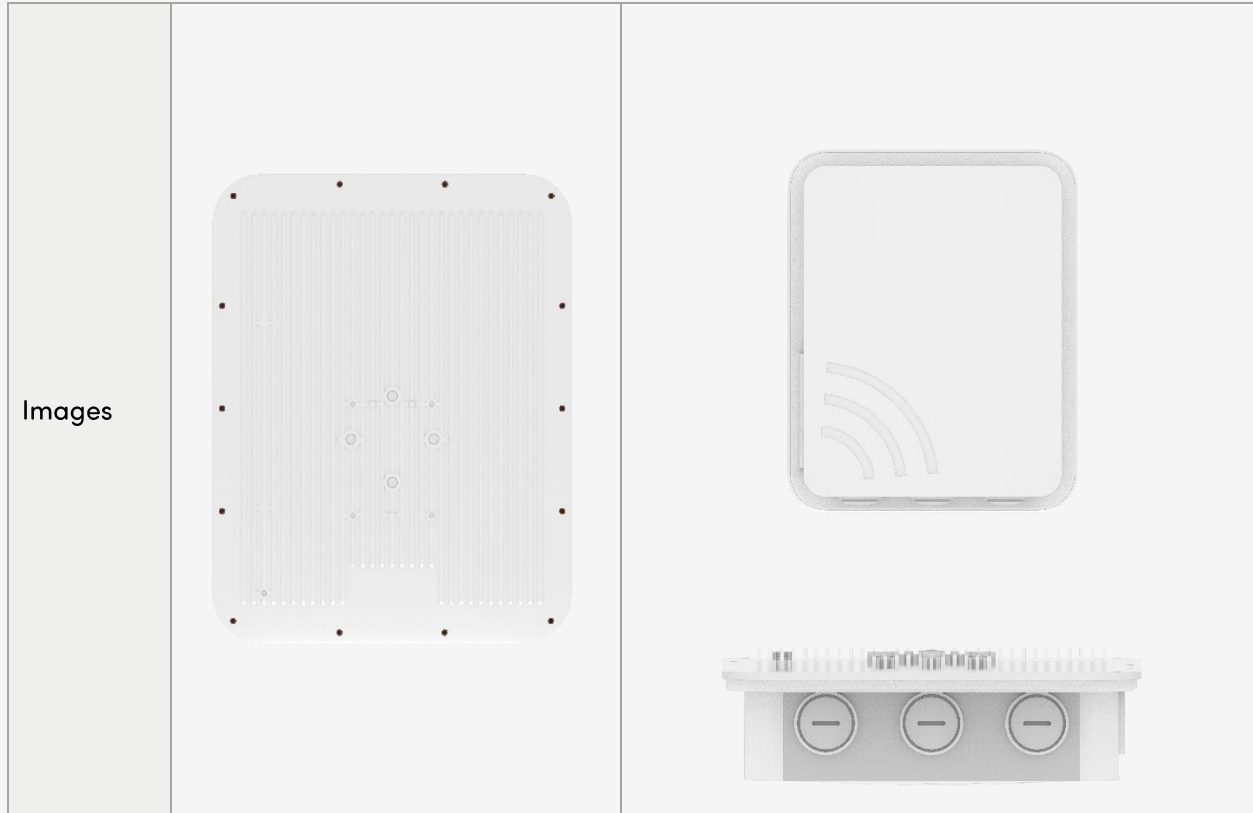
DEVICE IDENTIFICATION

Brand	Xunison
Device name	Xunison Hub D80 5G
SKU:	Not Applicable
Part Number	Not Applicable
Barcode	Not Applicable
Serial Number	Not Applicable