

Q50 Home

Wi-Fi 6 Smart Media Hub

- 4*4 MU-MIMO
- Rapid one-button pairing
- Certified Android TV
- Remote management access



Faster Wi-Fi

Anytime, Anywhere

Product Introduction

The Xunison Hub Q50 Home is a robust dual-band Mesh Wi-Fi system with the latest Qualcomm Wi-Fi 6 technology, faster than Wi-Fi 5(ac) technology. The product supports many connected devices providing a stable and uninterrupted internet connection. Built-in Certified Android TV System allows customers to control all the functions and features from a comfort of a sofa.



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

Latest wireless technology with backward compatibility



High-Speed Wi-Fi 6

AX5400, MU-MIMO, Mesh Capability



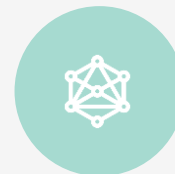
Smart Home Technology

Remote monitoring and control of the home appliances in seconds using client applications



Security Assurance

Stable firewall, Multiple filtering rules, Multiple security protocols. Online update and maintenance



Wi-Fi Mesh

Provides increased Wi-Fi coverage and eliminates the dead zones

SPECIFICATIONS

Data Range	Up to 5400 Mbps
Wireless LAN	Support 802.11 a/b/g/n/ac/ax standards
	2.4GHz/5GHz frequency range
	20/40/80/160 MHz bandwidth
	Automatic channel selection
	Wi-Fi Protected Access™ (WPA/WPA2/WPA3) Enterprise 3
	Wireless MAC address filtering
	Support Max 256 wireless clients
	Support MU-MIMO beamforming techniques
Band Steering	Automatic 2.4G/5G Wi-Fi band steering
Wi-Fi Mesh	Qualcomm Son MESH*
	One-button Matching
Wi-Fi Antennas	2T2R × 2.4G, 4T4R × 5G, (ipex high performance)
Operation Mode	Bridge
	Route
Smart Home Protocols	Z-Wave
	Zigbee
	Wi-Fi
Others	Upgrade the firmware from the web-based device manager/ OTA firmware upgrade support

Xunison Hub Q50 Home

Android TV Specification	Chipset: S905X2
	CPU: Quad core ARM Cortex-A53, 18400DMIPS
	GPU: ARM Dvalin MP2, 850MHz
	SDRAM: 512MB DDR
	CAS: VMX, Widevine CAS, Nagra, NOCS3.2, Irdeto MSR3.2
	Flash eMMC: 16GB
	RAM LPDDR4: 2GB
	OS: Certified Android TV
	Ethernet: 1000M PHY
	Bluetooth: RTL8761
	Storage: (Micro SD Card, Support Open VG 1.1, Supported all kind of storage, recording, playing and connecting all kind of USB equipment.
	Video Decoder: 4K@75fps H.265, VP9 profile2 , AVS2 4k@30fps H.264
	Video Encoder: 1080p60 H.264 H.265 PQ Engine: 8-th Gen Trulife image engine

Audio	Supports MP3, AAC, WMA, RM, FLAC, Ogg and programmable with 7.1/5.1 down-mixing I2S audio interface supporting 2-channel input and 8-channel (7.1) output 8x DMIC
	Built-in stereo audio DAC
	Stereo digital microphone PDM input
	Supports concurrent dual audio stereo channel output with combination of analog +PCM or I2S+PCM

Video	VP9 Profile-2 up to 4Kx2K@75fps
	H.265 HEVC MP-10@L5.1 up to 4Kx2K@75fps
	H.264 AVC HP@L5.1 up to 4Kx2K@30fps
	H.264 MVC up to 1080P @60fps
	MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)
	WMV/VC-1 SP/MP/AP up to 1080P@60fps
	AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps
	MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)
	MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)
	Real Video 8/9/10 up to 1080P@60fps
	WebM up to VGA
	Multiple language and multiple format sub-title video support
	MJPEG unlimited pixel resolution decoding (ISO/IEC-10918)
	Supports *.mkv, *.wmv, *.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm and *.jpg file formats"

Xunison Hub Q50 Home

Other Android TV Features	Supports all standard SD/HD/FHD video output formats: 480i/p, 576i/p, 720p, 1080i/p and 4Kx2K
	Support USB 2.0, USB 3.0 and MicroSD
	H.264 1080p@60fps encoder format
	Bluetooth Remote with voice control
	Built-in HDMI 2.1 both controller and PHY with CEC, HDR and HDCP 2.2, 4Kx2K@75 max resolution output

Network Protocols and Features	Connection modes: PPPoE/DHCP/Static
	IPv4, IPv6, IPv4/IPv6
	DHCP v4/v6 server
	Static (v4/v6) routing
	NTP
	VPN

Hardware Specification	Chipset: IPQ5018 + QCA8337 + QCN6024
	Flash: 8MB SPI Flash + 128MB NAND
	SDRAM: 512MB DDR
	Ethernet: IEEE 802.3/3u/3z/3az

Physical Interface	1x WAN: 1000 Mbps RJ-45 With LED Indicator
	2x LAN: 1000 Mbps RJ-45 With LED Indicator
	DC Port: DC 2.0 Power Supply
	USB: 1x USB2.0 and 1x USB3.0
	HDMI port
	Micro SD slot

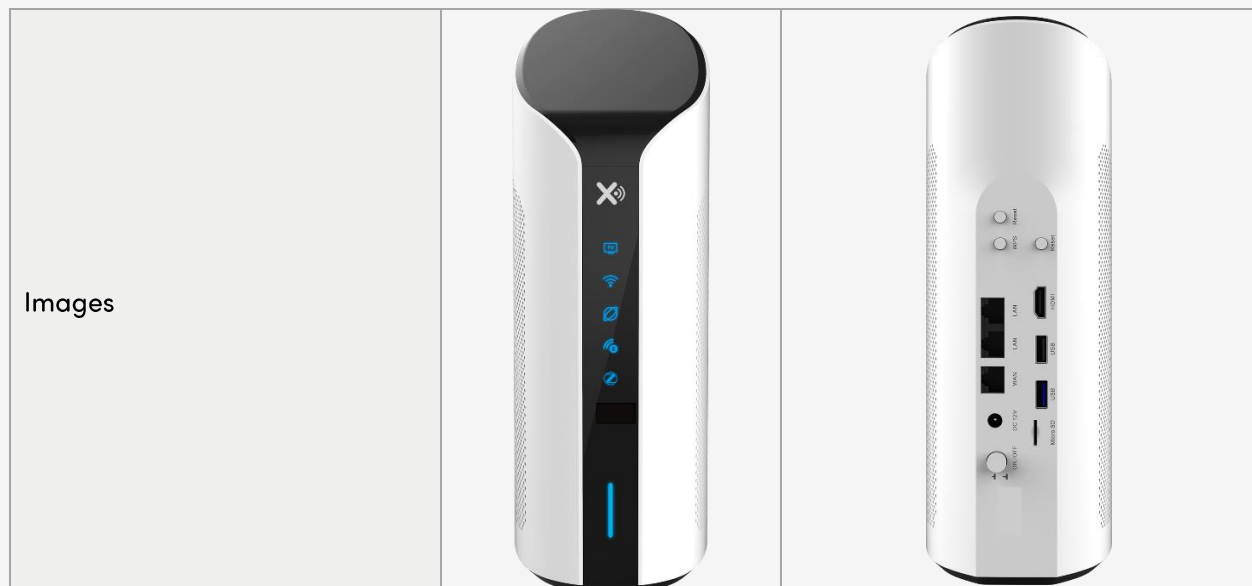
Buttons	OTT Reset
	Router Reset
	WPS
	ON/OFF

LED Indicators	ATV indicator
	Wi-Fi indicator
	Internet indicator
	Z-Wave indicator
	Zigbee indicator
	MESH indicator

Xunison Hub Q50 Home

Package Includes	Xunison Hub Q50 Home
	Quick Start Guide
	Power Adapter
	Ethernet Cable
	HDMI Cable
	Remote Controller

DEVICE IMAGES



DEVICE IDENTIFICATION

Brand	Xunison
Device name	Xunison Q50 Home
SKU:	RE-16-D4-QC-105
Part Number	R-Q50-1G-DB4-ZZ-MA-EM
Barcode	0725765014573
Serial Number	0101220074XXXXXX