



OS WiFi Bridge

High-quality IPTV and best Wi-Fi connectivity in every room!

The set of OS WiFi Bridge Access Point and OS WiFi Bridge Station build a real Wi-Fi & IPTV dream team. This Wi-Fi Bridge solution is developed for the best triple play experience, whether high-speed Wi-Fi connectivity, Multi-Room IPTV-Scenarios, HD/3D/4K Video-Streaming or Video-on-Demand.

OS WiFi Bridge Access Point



The OS WiFi Bridge Access Point is connected to the Internet Router via Gigabit Ethernet LAN and delivers the broadband signal in up to 1734 Mbps transmission speed over 5 GHz WiFi ac to the OS WiFi Bridge Station. It is using continuous smart channel selection and seamless Dynamic Frequency Selection (DFS) channel switch to guarantee a perfect transmission.

Standard version:

The standard version comes with one Gigabit Ethernet port and four antennas using WiFi 802.11 a/g/n/ac with 4x4 MIMO for the 5 GHz Bridge (1734 mbps).

OS WiFi Bridge Station



The OS WiFi Bridge Station receives the broadband signal over 5 GHz WiFi ac from the OS WiFi Access Point. Smart-TV, Set-Top-Box, Blu-ray Player, Notebook and Video Game Console are connected to the OS WiFi Bridge Station through four Fast Ethernet ports and one Gigabit Ethernet port. Other devices such as smartphones or tablets are connected with it via 2,4 GHz WiFi network.

Full version:

The full version comes with four Fast Ethernet ports, one Gigabit Ethernet port and six antennas using WiFi 802.11 a/g/n/ac with 4x4 MIMO for the 5 GHz Bridge (1734 mbps) and WiFi 802.11 a/g/n with 2x2 for the 2,4 GHz Access Point (300 mbps).

Technical data

	OS WiFi Bridge Access Point	OS WiFi Bridge Station
Vendor + Name of chipset	Quantenna: QT3840BC & QT2518B (4x4)	Quantenna: QT3860BC & QT2518B (4x4) Realtek: RTL8192ER (2x2)
Special features	WiFi MIMO Technology, 1x Gigabit Ethernet RJ45, 4 integrated antenna (5 GHz)	WiFi MIMO Technology, 4x Fast + 1x Gigabit Ethernet RJ45, 6 integrated antenna (4 x 5 GHz + 2 x 2,4 GHz)
Device Ethernet ports	1 GE (optional + 4 FE)	4 FE + 1 GE
Type of network ports	10/100/1000 Mbps	10/100/1000 Mbps
TR-069	yes	yes
Flash/RAM capacity	16 MB flash/ 256MB DDR3	16 MB flash/ 256MB DDR3
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, Auto MDI/X, IEEE 802.11 a, n, ac (5 GHz), IEEE 802.1p, Wi-Fi Alliance	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, Auto MDI/X, IEEE 802.11 a, b, g, n, ac (5 GHz/2,4 GHz), IEEE 802.1p, Wi-Fi Alliance
Transmission speed	Ethernet 10/100/1000 Mbps, WiFi asynchronous, 4x4 (1734 Mbps on 5 GHz band)	Ethernet 10/100/1000 Mbps, WiFi asynchronous, 4x4 (1734 Mbps on 5 GHz band) + 2x2 (300 Mbps on 2,4 GHz band) concurrent
Transmission method	asynchronous	asynchronous
Modulation	Wi-Fi, Wi-Fi OFDM (IEEE 802.11a, n, ac), Wi-Fi 19 carriers	Wi-Fi, DSSS (IEEE 802.11b), Wi-Fi OFDM (IEEE 802.11a, g, n, ac), Wi-Fi 19 carriers (5 GHz) + 13 carriers (2,4 Ghz)
Data path	Ethernet <-> Wireless / Wireless <-> Ethernet or Wireless	Ethernet <-> Wireless / Wireless <-> Ethernet or Wireless
Range	Wi-Fi: 300 m	Wi-Fi: 300 m
Security	WPA/WPA2 for WiFi encryption, WPS PIN, WPS PBC, MAC-Address Filter, WiFi Time Schedule	WPA/WPA2 for WiFi encryption, WPS PIN, WPS PBC, MAC-Address Filter, WiFi Time Schedule
LEDs	Power (optional), 1x Ethernet (Link/Act), WiFi Bridge Mode	Power (optional), 5x Ethernet (Link/Act), WiFi Bridge Mode, WiFi Access Point
Socket / connector	2 pole Euro plug	2 pole Euro plug
Power consumption	max. 9,5W, typ 4,9W, idel 3,9W	max. 16,2W, typ 9,1W, idel 6,5W
Power supply	AC 230V 50/60Hz external	AC 230V 50/60Hz external
Temperature	Storage: -25°C to 70°C, Operating: 0°C to 40°C	Storage: -25°C to 70°C, Operating: 0°C to 40°C
Weight	350g	365g
Dimensions	170 x 146 x 30 mm (D x H x W)	170 x 146 x 30 mm (D x H x W)
Ambient conditions	10-90% humidity (non-condensing)	10-90% humidity (non-condensing)
System requirements	Ethernet or WiFi interface	Ethernet or WiFi interface
Operating systems	Windows® XP, Vista, 7, 8, 10 (32 Bit and 64 Bit), Linux®, Mac OS® X and all operating systems with TCP/IP support	Windows® XP, Vista, 7, 8, 10 (32 Bit and 64 Bit), Linux®, Mac OS® X and all operating systems with TCP/IP support
Certifications	CE Class B (EU, CH, NO)	CE Class B (EU, CH, NO)

