

TWB-4G Long Range Wireless & 4G Bridge with Integrated separate Local Access Point (North American version, U.S.A., Canada, Mexico & Caribbean)



Features

The TWB-4G features a high-power transmitter and high-sensitivity receiver for extended communications with Wi-Fi stations and 4G networks. The system also features an access point unit for local connection of mobile wireless devices such as Laptops, iPads & iPhones. The system also has an Ethernet port for wired connection to a fixed computer. The TWB-4G is a stand-alone device on a network which includes its own internal DHCP server and a Site Survey utility for detecting Wi-Fi Stations & 4G Networks. Supply includes an TWB-4G unit which features a powerful 1000mW transmitter with a waterproof RJ-45 socket for connection with the supplied data/power cable to the TWB-AP unit. The TWB-4G may be externally mounted or alternatively inside where it will be exceptionally effective in locating and maintaining connection to Wi-Fi Stations & 4G Networks from a vehicle that's moving or a static installation. When out of range of a Wi-Fi station the TWB-4G will automatically detect and lock on to an alternative 4G network.

The MWB-AP is a dual band unit that allow the full advantages of 802.11ac technology speed, while maintaining compatibility with legacy devices in 5GHz 802.11a/n/ac and 2GHz 802.11 b/g/n modes. Both 2 & 5GHz frequencies and modes run simultaneously allowing simultaneous connection of legacy and a/n/ac mode devices.

TWB-4G

Processor	MIPS BE AR9342, 600MHz
Memory Information	64MB SDRAM
Networking Interface	1 X Waterproof 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet PoE Interface
Antenna Sockets	2x N type female (Wi-Fi & 4G)
Wireless Approvals	FCC (Part 15)
RoHS Compliance	YES
TX Channel Width Support	5MHz / 10MHz / 20MHz / 40MHz
Max Power Consumption	14.0 Watts
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)
DC Voltage Rating	24V
Operating Temperature	-20C to +40C
Services	RouterOS, DHCP
Utilities	Site Survey, Scanner, Setup...
Security	WPA-PSK, WPA2 PSK, WPA EPA, WPA2 EAP, tkip & aes Ciphers
Wi-Fi Range	~6nm (ideal conditions, max power, low noise, no obstructions)
Wi-Fi Frequency	2.4 GHz
Wi-Fi Standard	802.11b/g/n
4G Range	~20nm (ideal conditions, max power, low noise, no obstructions)
4G Frequency	B2, B4, B5, B17
Dimensions	222mm x 146mm x 55mm
Weight	880g, excluding cables & antennas

TWB-AP

Networking Interface	2 X Waterproof 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet PoE interface
Wireless Approvals	CE, FCC (Part 15)
RoHS Compliance	YES
Wireless chip set (1/2)	QCA9880
Frequency	5150MHz-5875MHz
Standard	802.11a/n/ac
Wireless chip set (2/2)	QCA9558
Frequency	2412-2484MHz
Standard	802.11b/g/n
Max Power Consumption	up to 5.0 Watts
Power Method	Passive Power over Ethernet (pairs 4,5+; 7,8 return)
DC Voltage Rating	24V
Operating Temperature	-20C to +40C
Services	RouterOS
Utilities	Webfig, Scanner, Security...
Security/ Cypher	WPA, WPA2/ AES, TKIP
Range	~50m (typical, low noise)
Dimensions	222mm x 146mm x 55mm
Weight	780g

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