

# Todaair

## Product Specification

### TD-MRT45 V40.1



## Product Overview

TD-MRT45 V40.1 is a Wi-Fi 6 developed by Todaair, which can support up to 1800Mbps commercial AP coverage or home Wi-Fi coverage MESH routers.

Supports desktop placement, ceiling mounting and outdoor wall hanging waterproof installation

## Features

- Support 802.11 b/g/n/ac/ax 2x2:2
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- 2 \* 1000Mbps RJ45
- IEEE802.3at/af
- Weatherproof and anti-UV
- Dual frequency gigabit, support Wi-Fi6
- Cloud management, intelligent operation and maintenance
- Support for outdoor scenario use
- Operating Temperature: - 30°C~ 50°C
- The WAN port supports POE function

## Hardware Specification

<b>Chipset</b>	MT7621AT/A+MT7975DN+MT7905DN			
<b>DRAM</b>	DDR3 128MByte			
<b>FLASH</b>	16MByte			
<b>Power Amplifier IC</b>	2.4G / 5.8G MT7905DN			
<b>Wired Interface</b>	10/100/1000Mbps 1*WAN(POE), 1*LAN			
<b>Date Rate 2.4G</b>	580Mbps			
<b>Date Rate 5.8G</b>	1201Mbps			
<b>Modulation Mode</b>	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK			
<b>Standard</b>	IEEE802.11a,IEEE802.11n,IEEE802.11g,IEEE802.11b,IEEE802.3u,IEEE802.3af,IEEE802.11ac,IEEE 802.11ax			
<b>Frequency Range</b>	2.4G 2412Mhz~2472Mhz / 5.8G 5180Mhz~5825Mhz			
<b>Power Consumption</b>	≤15W			
<b>Power</b>	POE 48V			
<b>RF Power @25°C±2Db 2.4G</b>	802.11b	20±2dBm		
	802.11g	6-24Mbps	20±2dBm	
		36-48Mbps	20±2dBm	
		54Mbps	20±2dBm	
	802.11n	HT20	MCS 7	20±2dBm
		HT40	MCS 7	20±2dBm

	802.11ax	HT20	MCS0/12		
		HT40	MCS2/14		
<b>RF Power</b> <b>@25°C±2dB</b> <b>5.8G</b>	802.11a	6-24Mbps	20±2dBm		
		36-48Mbps	18±2dBm		
		54Mbps	17±2dBm		
	802.11ac	HT20	MCS 0-3	20±2dBm	
			MCS 4	20±2dBm	
			MCS 5	19±2dBm	
			MCS 6	18±2dBm	
			MCS 7	18±2dBm	
	802.11ac	HT40	MCS 0-3	20±2dBm	
			MCS 4	19±2dBm	
			MCS 5	19±2dBm	
			MCS 6	18±2dBm	
	802.11ac	HT80	MCS 3	20±2dBm	
			MCS 4	19±2dBm	
			MCS 5	19±2dBm	
			MCS 6	18±2dBm	
			MCS 7	18±2dBm	
	802.11ax	HT80	MCS0/12	17±2dBm	

	IEEE 802.11b	11Mbps ≤ -85dBm	MCS6/18	17±2dBm
<b>Sensitivity 2.4G</b>	IEEE 802.11g	54Mbps ≤ -70dBm		
	802.11n	HT20	MCS 7 ≤ -65dBm	
		HT40	MCS 7 ≤ -62dBm	
<b>Sensitivity 5.8G</b>	802.11a	6Mbps ≤ -89; 54Mbps ≤ -73		
	802.11ac	HT20	MCS 0 ≤ -94; MCS 7 ≤ -76	
		HT40	MCS 0 ≤ -92; MCS 7 ≤ -76	
		HT80	MCS 0 ≤ -90; MCS 7 ≤ -67	
	802.11ax	HT80	MCS0 ≤ -85; MCS 12 ≤ -60	
<b>Antenna System</b>	Frequency Range	2.4G Antenna 2412Mhz~2484Mhz 5.8G Antenna 5150Mhz~5850Mhz		
	Polarization	Omnidirectional		
	Gain	4DBi*4		
<b>Operating/Storage Environment</b>	Operating Temperature	-30 ~ 50°C		
	Storage Temperature	-50 ~ 80°C		
	Humidity(Non-concentrated)	≤95% (Non-condensed)		
<b>Size &amp; Weight</b>	Bare Metal Size: 70*170mm			
	Bare Weight: 0.45kg			
<b>Packing List</b>	1 Power Supply			
	1 Specification			
	1 Net Cable			
	2 Plastic Cable Ties			

	2 Screws
	2 Rubber Plugs

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Todaair APP