



Managed AP Wi-Fi 6 DualBand

up to 1800Mbps
WAN/LAN GBit, PoE48V

WL-APW6DB1800-087



Technical specification

Chipset	MT7621AN+ MT7905DN+MT7975DN
DRAM	DDR2 128MByte
FLASH	16MByte
IC	2.4G / 5.8G MT7905DN
Port	10/100/1000Mbps WAN x 1 LAN (POE 48V) x 1
Speed 2.4G	580Mbps
Speed 5.8G	1201Mbps
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK
Modulation	IEEE802.11a,IEEE802.11n,IEEE802.11g,IEEE802.11b,IEEE802.3u,IEEE802.3af,IEEE 802.11ac,IEEE 802.11nax
Channel	2.4G 2412Mhz-2472Mhz / 5.8G 5180Mhz-5825Mhz
Power Dissipation	≤15W
Power	DC 12V 1.5A/POE 48V
Operating Temperature	-30-65°C
Storage Temperature	-50-80°C
Humidity	≤ 95% (non condensed)
Size	160(L) x 160(W) x 35(H) mm
Weight	0.35kg
Packing list	1 x WL-APW6DB1700-087, 1 x chassis , 2 x screw, 2 x rubber stick

Sensitivity 2.4G	IEEE 802.11b	11Mbps ≤ -85dBm
	IEEE 802.11g	54Mbps ≤ -70dBm
	802.11n	HT20
Sensitivity 5.8G	802.11a	HT40
	802.11ac	6Mbps ≤ -89; 54Mbps ≤ -73
		HT20
		HT40
	HT80	
	802.11ax	HT80-60
Antenna	Frequency	2.4G Antenna 2412Mhz-2484Mhz
		5.8G Antenna 5150Mhz-5850Mhz
	Polarization	Omnidirectional
	Gain	3DBi x 4

RF @25°C±2Db 2.4G	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	
	802.11a	6-24Mbps	20±2dBm	
		36-48Mbps	18±2dBm	
54Mbps		17±2dBm		

RF @25°C±2dB 5.8G	802.11ac	HT20	MCS 0-3	20±2dBm	
			MCS 4	20±2dBm	
			MCS 5	19±2dBm	
			MCS 6	18±2dBm	
			MCS 7	18±2dBm	
			HT40	MCS 0-3	20±2dBm
				MCS 4	19±2dBm
				MCS 5	19±2dBm
			HT80	MCS 6	18±2dBm
	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	
			MCS6/18	17±2dBm	