



DR-AP6018-S(OUTDOOR)

1 1 AX MU- MIMO OFDMA DUALBAND ACCESS POINT

Description

DR-AP6018-S(Outdoor) is a 2x2 2.4G&5G high power Radio ;
AP Router which including
2 x Onmi Antenna(option);
1 x Panel Antenna;
1 x Enclosure.

Panel Antenna

- 2 x 5G Antenna
- 5G: 17dbi

DRA25 Antenna(Optional)

Electrical Properties :

- Frequency Range:2.4~2.5&5.15~5.85GHz
- Impedance: 50Ω
- VSWR: 2.0 Max(≤2.0)
- Gain(peak): 6±0.5dBi
- Polarization: Linear; Vertical

Physical Properties :

- Cable: RG- 141 Cable
- Connector: N-type PLUG
- Antenna CAP: ABS
- OperatingTemp: -40°C~+65°C
- Storage Temp: -40°C~+75°C
- CableTemp: <+250°C

Enclosure

- Dimension: 275x140x48mm
- UV Protected and Durable ABS Radome
- IP67 Waterproof Level
- Support Wallys' PCBA Mainboard





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Absolute Maximum Rating

Parameter	Rating	Unit
Supply Voltage	24V~48V(DC Jack)	V
Operating Temperature Range	-40 to +70	°C
Storage Temperature Range	-45 to + 105	°C
Operating Humidity Range	5 to +95 (non-condensing)	%
Storage Humidity Range	0 to +90 (non-condensing)	%

Hardware Specifications

Symbol	Parameter
CPU	Qualcomm- Atheros IPQ6010
CPU Frequency	Quad- core ARM 64 bit A53 @ 1.8 GHz processor
System Memory	512 MB DDR3L 16- bit interface with 32- bit memory bus design
Ethernet Port	1 x 1 Gbps Ethernet Ports & POE 1 x 1 Gbps Ethernet Ports(optional)
POE	24V~48V passive POE/Active POE(Suport 802.3 bt)
DC Jack	24V~48V power supply
LED	Power LED x 1 , Ethernet LED x 2 ; Signal Strength LED x 4
Wireless	On- board 2x2 2.4GHz MU- MIMO OFDMA802 .11 b/g/n/ax, max 27dBm per chain On- board 2x2 5GHz MU-MIMO OFDMA 802 .11 a/n/ac/ax, max 27dBm per chain 4 x MMCX Connectors
Nor Flash	8MB
Nand Flash	256MB
DDR	512MB
Antenna(5 G)	Directional Antenna(17 dbi)
Antenna(2 .4G)	Omni Antenna(6 dbi)(optional)



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Radio TX Specifications(5180MHz-5825MHz)

Operating Mode	Data Rate	Power		Tolerance
		1 Chain	2 Chains	
5Ghz 802.11ax HE20	MCS0	27 dBm	30 dbm	±2dB
	MCS1	26 dBm	29 dBm	±2dB
	MCS2	26 dBm	29 dBm	±2dB
	MCS3	26 dBm	29 dBm	±2dB
	MCS4	25 dBm	28 dBm	±2dB
	MCS5	24 dBm	27 dBm	±2dB
	MCS6	23 dBm	26 dBm	±2dB
	MCS7	21 dBm	24 dBm	±2dB
	MCS8	20 dBm	23 dBm	±2dB
	MCS9	20 dBm	23 dBm	±2dB
	MCS10	20 dBm	23 dBm	±2dB
	MCS11	19 dBm	22 dbm	±2dB
5Ghz 802.11ax HE400	MCS0	27 dBm	30 dbm	±2dB
	MCS1	26 dBm	29 dBm	±2dB
	MCS2	26 dBm	29 dBm	±2dB
	MCS3	26 dBm	29 dBm	±2dB
	MCS4	25 dBm	28 dBm	±2dB
	MCS5	24 dBm	27 dBm	±2dB
	MCS6	23 dBm	26 dBm	±2dB
	MCS7	21 dBm	24 dBm	±2dB
	MCS8	20 dBm	23 dBm	±2dB
	MCS9	20 dBm	23 dBm	±2dB
	MCS10	20 dBm	23 dBm	±2dB
	MCS11	19 dBm	22 dbm	±2dB
5Ghz 802.11ax HE80	MCS0	27 dBm	30 dbm	±2dB
	MCS1	26 dBm	29 dBm	±2dB
	MCS2	26 dBm	29 dBm	±2dB
	MCS3	26 dBm	29 dBm	±2dB
	MCS4	25 dBm	28 dBm	±2dB
	MCS5	24 dBm	27 dBm	±2dB
	MCS6	23 dBm	26 dBm	±2dB
	MCS7	21 dBm	24 dBm	±2dB
	MCS8	20 dBm	23 dBm	±2dB



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	MCS9	20dBm	23dBm	±2dB
	MCS10	20dBm	23dBm	±2dB
	MCS11	19dBm	22dbm	±2dB



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Radio TX Specifications(2412MHz-2482MHz)

Operating Mode	Data Rate	Power		Tolerance
		1 Chain	2 Chains	
2.4Ghz 802.11ax HE20	MCS0	27dbm	30dbm	±2dB
	MCS1	26dBm	29dBm	±2dB
	MCS2	26dBm	29dBm	±2dB
	MCS3	26dBm	29dBm	±2dB
	MCS4	25dBm	28dBm	±2dB
	MCS5	24dBm	27dBm	±2dB
	MCS6	23dBm	26dBm	±2dB
	MCS7	21dBm	24dBm	±2dB
	MCS8	20dBm	23dBm	±2dB
	MCS9	20dBm	23dBm	±2dB
	MCS10	20dBm	23dBm	±2dB
	MCS11	19dbm	22dbm	±2dB
2.4Ghz 802.11ax HE40	MCS0	27dbm	30dbm	±2dB
	MCS1	26dBm	29dBm	±2dB
	MCS2	26dBm	29dBm	±2dB
	MCS3	26dBm	29dBm	±2dB
	MCS4	26dBm	28dBm	±2dB
	MCS5	25dBm	27dBm	±2dB
	MCS6	24dBm	26dBm	±2dB
	MCS7	23dBm	24dBm	±2dB
	MCS8	20dBm	23dBm	±2dB
	MCS9	20dBm	23dBm	±2dB
	MCS10	20dBm	23dBm	±2dB
	MCS11	19dbm	22dbm	±2dB