

# Speed

## Theoretischer max. Speed

### 802.11ax (WiFi6)

Antennen	Bandbreite (MHz)	Frequenz (GHz)	Geschwindigkeit
1x1	20	2.4 + 5	143 Mb/s
2x2			287 Mb/s
3x3		5	429 Mb/s
4x4			574 Mb/s
8x8			1148 Mb/s
1x1	40	2.4 + 5	287 Mb/s
2x2			574 Mb/s
3x3		5	861 Mb/s
4x4			1148 Mb/s
8x8			2296 Mb/s
1x1	80	2.4 + 5	601 Mb/s
2x2			1200 Mb/s
3x3		5	1800 Mb/s
4x4			2400 Mb/s
8x8			4800 Mb/s

Antennen	Bandbreite (MHz)	Frequenz (GHz)	Geschwindigkeit
1x1	160	2.4 + 5	1200 Mb/s
2x2			2400 Mb/s
3x3		5	3600 Mb/s
4x4			4800 Mb/s
8x8			9600 Mb/s

## 802.11ac (WiFi5, Wave 2)

Antennen	Bandbreite (MHz)	Frequenz (GHz)	Geschwindigkeit
1x1	40	5	200 Mb/s
2x2	40	⋮	400 Mb/s
3x3	40	⋮	600 Mb/s
4x4	40	⋮	800 Mb/s
1x1	80	5	433 Mb/s
2x2	80	⋮	866 Mb/s
3x3	80	⋮	1300 Mb/s
4x4	80	⋮	1730 Mb/s
1x1	160	5	866 Mb/s
2x2	160	⋮	1730 Mb/s
3x3	160	⋮	2600 Mb/s
4x4	160	⋮	3460 Mb/s

## 802.11ac (WiFi5, Wave 1)

Antennen	Bandbreite (MHz)	Frequenz (GHz)	Geschwindigkeit
1x1	40	5	200 Mb/s
2x2	40	⋮	400 Mb/s
3x3	40	⋮	600 Mb/s
4x4	40	⋮	800 Mb/s

Antennen	Bandbreite (MHz)	Frequenz (GHz)	Geschwindigkeit
1x1	80	5	433 Mb/s
2x2	...	...	866 Mb/s
3x3	...	...	1300 Mb/s
4x4	...	...	1730 Mb/s

# 802.11n (WiFi4)

Antennen	Bandbreite (MHz)	Frequenz (GHz)	Geschwindigkeit
1x1	20	2.4 + 5	72.2 Mb/s
2x2	...	...	150 Mb/s
3x3	...	...	216.7 Mb/s
1x1	40	...	144.4 Mb/s
2x2	...	...	300 Mb/s
3x3	...	...	450 Mb/s

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