



SmartAnt

802.11 a Antenna Product List

SmartAnt Telecom Co., Ltd.

3F, No. 58, Park Avenue II,
Science-based Industrial Park,
Hsinchu 30075, Taiwan, R.O.C.

TEL: 886-3-5783002

FAX: 886-3-5783312

service@smartant.com



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802.11 a Antenna Specifications



Model	SAA04-202130	SAA04-200280	SAA04-200160
Operating environment	Outdoor	Outdoor	Indoor
Radiation	Omni Directional	Omni Directional	Directional Panel

Electrical Specification

Frequency Range	4900-5350MHz	5500-5825GHz	4900-5875MHz
Gain	8.0 dBi	10dBi	12 ~ 14.5 dBi
VSWR	2.0 : 1 (Max.)	2.0: 1Max.	2.0 : 1 Max.
Polarization	Linear, Vertical	Liner, Vertical	Linear, Vertical
HPBW/Horizontal	360°	360°	45° ~ 55°
HPBW/vertical	12°	7°	10° ~ 12°
Downtilt	—	2°	—
Front to back ratio	—	—	18 dB
Power handling	20W (cw)	5W(cw)	20 W (cw)
Impedance	50 Ohm	50ohm	50 Ohms
Cable	—	—	ULA 168, 2M
Connector	N plug	N female	SMA jack

Enviromental &Mechanical Characteristics

Survival wind speed	—	216km/hr	180 km/hr
Temperature	-40°C +80°C	-40°C +80°C	- 40°C to +60°C
Humidity	95% at 25°C	95% at 55°C	95% at 25°C
Radome	Fiber glass, UV resistant	Fiber glass,UV resistsnt	ABS, UV resistsnt
Water resistance	IPX5	IP67	IPX5
Weight	110 g	0.265kg	0.6 kgw
Dimension	ø 22 x 325 mm	80x78x511mm	330 x 93 x 21 mm



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802.11 a Antenna Specifications



SAA04-200010	SAA04-200020	SAA04-090250	SAA04-20212A
Outdoor	Outdoor	Outdoor	Outdoor
Directional Sector	Directional Sector	Directional Patch	Directional Pannel
4900-5875GHz	4900-5875GHz	4900 - 5875 MHz	5150-5875GHz
13dBi	16dBi	17~18 dBi	23dBi
2.0: 1Max.	2.0: 1Max.	2.0 : 1 Max.	2.0: 1Max.
Liner, Vertical	Liner, Vertical	Linear, Vertical	Liner
120°	60°	18°	9°
6°	6°	18°	9°
—	—	—	—
—	—	25 dB	30dB
5W(cw)	5W(cw)	5 W (cw)	5W(cw)
50ohm	50ohm	50 ohms	50ohm
—	—	—	—
N female	N female	N jack	N female
216km/hr	216km/hr	216 km/hr	216km/hr
-40°C -+80°C	-40°C -+80°C	-40°C -+80°C	-40°C -+80°C
95% at 55°C	95% at 55°C	95% at 55°C	95% at 55°C
ABS, UV resistant	ABS, UV resistant	ABS, UV resistant	PC, UV resistant
IPX5	IPX5	IPX5	IP67
0.555kg	0.530kg	825g	1.2kg
620x88x70mm	620x88x70mm	200 x 200 x 53.6 mm	320x320x18mm