

AREDN Node Equipment Specifications

1/21/17

ROUTERS

Equipment Model	Freq Band	Input Power Watts	Xmit Power dBm	Xmit Power Watts	Antenna Gain dBi	Beam Width -3dB Degrees	Support Yes/Future	Approx Cost \$	Note
Ubiquiti									
AirGrid XM	2.4	3	28	.631	16	3	Yes	55	
	2.4	3	28	.631	20	3	Yes	70	
	5.8	3	25	.316	23	3	Yes	60	
	5.8	3	25	.316	27	3	Yes	70	
AirGrid XW	5.8	3	25	.316	23	3	Future	70	
AirRouter	2.4	UNK	UNK	UNK		360	Yes	37	
AirRouter HP	2.4	UNK	UNK	UNK		360	Yes	52	
Bullet	2.4	7	28	.631	NA	NA	Yes	80	
	5.8	6	25	.316	NA	NA	Yes	95	
Bullet Titanium	2.4	7	28	.631	NA	NA	Yes	120	
	5.8	6	25	.316	NA	NA	Yes	115	
Nanobeam XW	5.8	6	24	.250	16	3	Future	70	
	5.8	6	24	.250	19	3	Future	90	
NanoBridge	900	6.5	28	.631	11	3	Yes	160	
	2.4	5.5	23	.195	18	3	Yes	90	UNA
	3.4	8	25	.316	22	3	Yes	175	
	5.8	UNK	UNK	UNK	22	3	Yes	100	
	5.8	UNK	UNK	UNK	25	3	Yes	100	
NanoStation XM	2.4	8	28	.631	11	53	Yes	90	
	3.4	8	25	.316	13	60	Yes	90	
	5.8	8	27	.501	15	43	Yes	90	

Equipment Model	Freq Band	Input Power Watts	Xmit Power dBm	Xmit Power Watts	Antenna Gain dBi	Beam Width -3dB Degrees	Support Yes/ Future	Approx Cost \$	Note
NanoStation XW	5.8	8	27	.501	15	43	Yes	90	
NanoStation Loco XM	900	6.5	28	.631	8	60	Yes	130	
	2.4	5.5	23	.195	8	60	Yes	50	
	5.8	5.5	23	.195	13	45	Yes	50	
NanoStation Loco XW	5.8	5.5	23	.195	13	45	Future	50	
PicoStation	2.4	8	28	.631	5	360	Yes	79	
PowerBeam	2.4	6	28	.631	18	3	Future	100	
	5.8	6	26	.400	22	3	Future	180	
	5.8	8	26	.400	25	3	Future	100	
Rocket XM	900	6.5	28	.631	NA	NA	Yes	180	
	2.4	17	30	1	NA	NA	Yes	81	
	3.4	17	30	1	NA	NA	Yes	85	
	5.8	12	26	.4	NA	NA	Yes	140	
Rocket XW	5.8	12	26	.4	NA	NA	Future	140	
TP-Link									
CPE	2.4	UNK	27	.500	9	UNK	Yes	60	
	2.4	UNK	30	1	12	UNK	Yes	UNK	UNA
	5.8	UNK	23	.195	13	UNK	Yes	70	
	5.8	UNK	27	.500	27	UNK	Yes	UNK	UNA

UNK Unknown

UNA Unavailable - I could not find a place to order it online.

NA Not Applicable

Equipment marked 'Future' may become 'Unsupported' at a future date.

ANTENNAS

Equipment Model	Freq Band	Type	Gain dBi	Beam Width -3dB	Routers	Approx. Cost \$	Note
AIR802							
ANOM245XM-NF	2.4/5.8	Vert	3.5/5.1	360	Bullet	45	
TP-Link							
TL-ANT2412D	2.4	Vert	12	360	Bullet	40	
TL-ANT2415D	2.4	Vert	15	360	Bullet	50	
TL-ANT2406A	2.4	Tabletop	6	UNK	Bullet	25	SMA
TL-ANT2409B	2.4	Patch	9	UNK	Bullet	21	SMA
TL-ANT2414B	2.4	Patch	14	UNK	Bullet	54	SMA
TL-ANT2424B	2.4	Parabolic	24	UNK	Bullet	50	SMA
TRENDnet							
TEW-AO57	2.4/5.8	Vert	4/7	360	Bullet	29	2 pieces
Ubiquiti							
AMY-9M16	900	Yagi	16	UNK	Rocket	186	
AMO-2G10	2.4	Vert	10	360	Bullet	155	
AMO-2G13	2.4	Vert	13	360	Bullet	220	
RD-2G-24	2.4	Dish	24	3	Rocket	167	Tripod
AM-V2G-Ti	2.4	Sector	17 16 15	60 90 120	Rocket	270	Variable
AM-2G15	2.4	Sector	15	120	Rocket	160	
RD-2G24	2.4	Dish	24	3	Rocket	180	
AMO-3G12	3.4	Vert	12	360	Rocket	143	

Equipment Model	Freq Band	Type	Gain dBi	Beam Width -3dB	Routers	Approx. Cost \$	Note
AM-3G18	3.4	Sector	18	120	Rocket	172	
RD-3G26	3.4	Dish	26	3	Rocket	208	Tripod
AMO-5G10	5.8	Vert	13	360	Rocket	112	
AMO-5G13	5.8	Vert	13	360	Rocket	140	
AM-5AC21-60	5.8	Sector	21	60	Rocket	180	
AM-5AC22-45	5.8	Sector	22	45	Rocket	180	
AM-5G20	5.8	Sector	20	90	Rocket	120	
AM-5G19	5.8	Sector	19	120	Rocket	120	
AM-5G16	5.8	Sector	16	120	Rocket	71	
AM-5G17	5.8	Sector	17	90	Rocket	71	
AM-V5G-Ti	5.8	Sector	21 20 19	60 90 120	Rocket	210	Variable
RD-5G31-AC	5.8	Dish	31	3	Rocket	310	Radome
RD-5G30	5.8	Dish	30	3	Rocket	120	Tripod
RD-5G34	5.8	Dish	34	3	Rocket	275	Tripod

UNK Unknown
 NA Not Applicable
 Variable Selectable beamwidth
 Tripod Tripod included