

Wireless Design Criteria	Building Type	# of Floors	Total Number AP's 802.11a	Total Number AP's 802.11b/g	Length' x Width'	Total Square Footage	Square Footage/AP 802.11a	Square Footage/AP 802.11b/g	VoIP or Data
	A - Outdoors B- Warehouse C- New or "open" D- Old or "closed"								Data Only - D Data&VoIP-D&V VoIP only-V
Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	D	1	2	N/A	152' x 60'	9,120	4,560	N/A	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	1	3	3	250' x 150'	37,500	12,500	12,500	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	3	5	5	200' x 125'	60,000	12,000	12,000	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	2	5	5	160' x 100'	32,000	6,400	6,400	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	1	5	5	232' x 55' 103' x 55'	18,425	3,685	3,685	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	2	6	5	145' x 130'	37,700	6,283	7,540	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	2	6	5	175' x 125'	43,750	7,292	8,750	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	2	6	6	160' x 120'	38,400	6,400	6,400	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	2	6	6	170' x 110'	37,400	6,233	6,233	D
Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	D	2	6	N/A	205' x 152'	62,320	10,387	N/A	D
Originally done in Airmagnet-concrete walls/Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	D	2	6	N/A	151' x 86'	25,972	4,329	N/A	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	1	7	5	300' x 160'	48,000	6,857	9,600	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	2	8	6	220 x 200	88,000	11,000	14,667	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	2	8	7	260 x 200	104,000	13,000	14,857	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	2	8	8	175' x 100'	35,000	4,375	4,375	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	2	9	9	250' x 160'	50,000	5,556	5,556	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	2	10	5	192' x 50' 32' x 37'	20,384	2,038	4,077	D

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Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	3	10	10	134' x 100'	40,200	4,020	4,020	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	2	11	11	200' x 150'	60,000	5,455	5,455	D
Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	C	4	12	N/A	250' x 85'	85,000	7,083	N/A	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	2	13	13	275' x 200'	110,000	8,462	8,462	D
Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	D	4	13	N/A	146' x 70'	40,880	3,145	N/A	D
Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	C	6	15	N/A	102' x 105'	64,260	4,284	N/A	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	4	17	17	225' x 160'	144,000	8,471	8,471	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	4	18	16	355' x 144'	204,480	11,360	12,780	D
Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	D	2	19	N/A	331' x 334'	221,108	11,637	N/A	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	4	22	22	440' x 200' 300' x 100' 300' x 100' 120' x 80'	157,600	7,164	7,164	D
Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	C	3	26	N/A	307' x 150'	138,150	5,313	N/A	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	D	4	32	32	300' x 200'	240,000	7,500	7,500	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	6	36	33	290 x 185	321,900	8,942	9,755	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	5	39	33	400 x 320	640,000	16,410	19,394	D
Orinoco AP4000 802.11a @ -70dBm & 802.11g @ -80 dBm Survey	C	6	42	40	115' x 110' 75' x 205'	168,150	4,004	4,204	D
Orinoco AP2000 802.11a Survey with Orinoco Client Utility 80% Success Packet Transmission	C	6	42	N/A	210' x 150'	189,000	4,500	N/A	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	1	N/A	1	120' x 90'	10,800	N/A	10,800	D
Cisco 1130AG AP 802.11g @ -75 dBm	B	1	N/A	1	95' x 70'	7,000	N/A	7,000	D

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Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	1	N/A	1	100' x 75'	7,500	N/A	7,500	D
Cisco 1242 AP 802.11g	B/C	1	N/A	1	125' x 100'	12,500	N/A	12,500	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	B/C	1	N/A	1	33' x 55'	1,815	N/A	1,815	D
Cisco 1200 AP 802.11b @ 20dB	B	1	N/A	2	150 x 275	41,250	N/A	20,625	D
Cisco 1130AG AP 802.11g @ -75 dBm	B	1	N/A	2	186' x 136'	25,296	N/A	12,648	D
Cisco 1130AG AP 802.11g @ -75 dBm	B	1	N/A	2	240' x 250'	60,000	N/A	30,000	D
Cisco 1130AG AP 802.11g @ -75 dBm	B	1	N/A	2	235' x 285'	66,975	N/A	33,488	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	1	N/A	2	100' x 120'	12,000	N/A	6,000	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	1	N/A	2	170' x 85'	14,450	N/A	7,225	D
NetGear WG302 AP 802.11g @ -80 dBm	C	1	N/A	2	105' x 80'	8,400	N/A	4,200	D
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	1	N/A	3	340' x 150'	51,000	N/A	17,000	D
Cisco 1130AG AP 802.11g @ -75 dBm	B	1	N/A	3	250' x 340'	85,000	N/A	28,333	D
NetGear WG302 AP 802.11g @ -80 dBm	C	2	N/A	3	160' x 70'	22,400	N/A	7,467	D
NetGear WG302 AP 802.11g @ -80 dBm	D	1	N/A	3	175' x 150'	26,250	N/A	8,750	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	B	1	N/A	4	180' x 120' 180' x 120'	43,200	N/A	10,800	D
Cisco 1130AG AP 802.11g @ -80 dBm (25dB)	C	3	N/A	4	80' x 50' 80' x 50' 80' x 50'	12,000	N/A	3,000	D
Cisco 1130AG AP 802.11g @ -75 dBm	B	2	N/A	4	185' x 150'	55,500	N/A	13,875	D
Cisco 1200 AP 802.11b/g @ -80 dBm	A/C	2	N/A	4	125' x 175'	43,750	N/A	10,938	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	2	N/A	4	110' x 35'	7,700	N/A	1,925	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	2	N/A	4	280' x 35'	19,600	N/A	4,900	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	2	N/A	4	126' x 51'	12,852	N/A	3,213	D
Cisco 1200 AP 802.11b @ 20dB	B	1	N/A	5	200 x 300	60,000	N/A	12,000	D
Cisco 1130AG AP 802.11g @ -75 dBm	B	2	N/A	5	180' x 170'	61,200	N/A	12,240	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	2	N/A	5	100' x 80' 75' x 30'	10,250	N/A	2,050	D
Cisco 1130AG AP 802.11g @ -75 dBm	B	2	N/A	6	520' x 60' 97' x 60'	37,020	N/A	6,170	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	2	N/A	6	110' x 65'	14,300	N/A	2,383	D
NetGear WG302 AP 802.11g @ -80 dBm	D	3	N/A	6	80' x 75'	18,000	N/A	3,000	D
Cisco 1200 AP 802.11b @ 20dB	B	1	N/A	7	270' x 310'	83,700	N/A	11,957	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	2	N/A	7	120' x 175' 120' x 175'	42,000	N/A	6,000	D

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Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	3	N/A	7	110' x 160' 110' x 160' 110' x 160'	52,800	N/A	7,543	D
Cisco 1242 AP 802.11g @ -75dBm (25dB)	C	3	N/A	9	100' x 150' 100' x 150' 100' x 150'	45,000	N/A	5,000	D
3Com MAP 2750 802.11g@ -80 dBm	D	5	N/A	10	140' x 50'	35,000	N/A	3,500	D
3Com MAP 2750 802.11g@ -80 dBm	D	4	N/A	10	215' x 80'	68,800	N/A	6,880	D
Cisco 1200 AP 802.11g @ -70dBm (30dB)	B	1	N/A	10	350' x 250' 250' x 100'	112,500	N/A	11,250	D
Cisco 1200 AP 802.11b @ 20dB	B	1	N/A	11	330' x 175'	57,750	N/A	5,250	D
Cisco 1200 AP 802.11b @ 20dB	B	1	N/A	11	400' x 500'	200,000	N/A	18,182	D
Cisco 1242 AP 802.11g @ -80dBm (20dB)	B	1 (3 Bdgs.)	N/A	11	320' x 155' 1,245' x 250' 430' x 90'	399,550	N/A	36,323	D
Cisco 1200 AP 802.11b @ 20dB	B	1	N/A	13	550' x 560'	308,000	N/A	23,692	D
Cisco 1200 AP 802.11g @ -80dBm (20dB)	B	1	N/A	13	1,050' x 300' 130' x 320	356,600	N/A	27,431	D
Cisco 1200 AP 802.11b @ 20dB	B	1	N/A	14	600' x 500	300,000	N/A	21,429	D
Cisco 1200 AP 802.11g @ 20dB	C	3	N/A	14	150 x 120	54,000	N/A	3,857	D
Orinoco AP4000 802.11g @ -80 dBm Survey	C	5	N/A	15	176' x 225' 176' x 80'	172,480	N/A	11,499	D
Cisco 1200 AP 802.11g @ -80dBm (20dB)	B	1	N/A	20	1,050' x 300' 130' x 320	356,600	N/A	17,830	D
3Com MAP 2750 802.11g@ -80 dBm	D	4	N/A	24	315' x 125'	157,500	N/A	6,563	D
3Com MAP 2750 802.11g@ -80 dBm	D	5	N/A	28	320' x 130'	200,000	N/A	7,143	D
Aruba AP60 & controller 802.11b/g -75dBm (25dB)	D	2	N/A	36	120' x 80' (5) 100' x 80' (8) 80' x 60' (3) 60' x 60' 80' x 80' 40' x 60' 250' x 150' 50' x 40'	178,300	N/A	4,953	D
Cisco 1200 AP 802.11g	C	4	N/A	50	300 x 100	30,000	N/A	600	D

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Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	1	2	2	125' x 60'	7,500	3,750	3,750	D&V
Cisco 1130AG AP 802.11a @ -70dBm (25dB) 802.11g @ -70dBm (20dB)	D	1	3	3	85' x 100'	8,500	2,833	2,833	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	1	3	3	180' x 100'	18,000	6,000	6,000	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	2	3	3	100' x 30' 100' x 70'	10,000	3,333	3,333	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	1	4	4	200' x 150'	30,000	7,500	7,500	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	C	4	4	4	90' x 60'	21,600	5,400	5,400	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	C	1	5	5	195' x 175'	34,125	6,825	6,825	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	1	6	6	300' x 150'	45,000	7,500	7,500	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	2	6	6	100' x 120' 50' x 120'	18,000	3,000	3,000	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	1	8	8	225' x 125'	33,750	4,219	4,219	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	C	2	8	8	150' x 150'	45,000	5,625	5,625	D&V
Cisco 1130AG AP 802.11a @ -70dBm (30dB) 802.11g @ -70dBm (30dB)	C	2	10	10	208' x 168'	69,888	6,989	6,989	D&V
Cisco 1242 AP 802.11a @ -70dBm (30dB)	C	2	10		250' x 200'	100,000	10,000		D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -70dBm (30dB)	C	1	17	17	450' x 250'	112,500	6,618	6,618	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -70dBm (30dB)	C	5	40	40	192' x 131'	125,760	3,144	3,144	D&V
Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	9	55	55	300' x 200'	540,000	9,818	9,818	D&V
Cisco 1200 AP or Cisco 1130AG AP 802.11a @ -75dBm (25dB) 802.11g @ -80dBm (20dB)	D	3	58	58	465' x 558'	778,410	13,421	13,421	D&V

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Cisco 1130AG AP 802.11a @ -70dBm (30dB) 802.11g @ -70dBm (30dB)	C	8	80	80	400' x 240'	768,000	9,600	9,600	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	A	1	N/A	1	150' x 175'	11,250	N/A	11,250	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	A	1	N/A	2	125' x 75'	12,500	N/A	6,250	D&V
Cisco 1130AG AP 802.11g @ -70 dBm (30dB)	C	1	N/A	2	50' x 50' 65' x 100'	9,000	N/A	4,500	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	1	N/A	4	300' x 100'	30,000	N/A	7,500	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	A	1	N/A	4	500' x 350'	175,000	N/A	43,750	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	A	1	N/A	4	600' x 400'	240,000	N/A	60,000	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	1	N/A	4	210' x 150'	31,500	N/A	7,875	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB) Cisco 1130AG AP	B	1	N/A	4	315' x 65'	20,475	N/A	5,119	D&V
Cisco 1130AG AP 802.11g @ -70 dBm (30dB)	C	2	N/A	4	155' x 80'	12,400	N/A	3,100	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	C	1	N/A	4	150' x 125'	18,750	N/A	4,688	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B/A	1	N/A	5	350' x 250'	87,500	N/A	17,500	D&V
Cisco 1130AG AP 802.11g @ -70 dBm (30dB)	C	1	N/A	5	220' x 120'	26,400	N/A	5,280	D&V
Cisco 1200 AP 802.11g @ 20dB	C	1	N/A	5	195 x 85	16,575	N/A	3,315	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	1	N/A	6	364' x 127' 44' x 60'	48,868	N/A	8,145	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	1	N/A	6	250' x 185'	46,250	N/A	7,708	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	2	N/A	6	325' x 200'	65,000	N/A	10,833	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	1	N/A	7	265' x 155'	41,075	N/A	5,868	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	2	N/A	8	300' x 80' 120' x 30' 240' x 60'	41,000	N/A	5,125	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	A	1	N/A	9	364' x 127' 44' x 60'	68,868	N/A	7,652	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	2	N/A	9	250' x 300' 110' x 50'	80,500	N/A	8,944	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B/A	2	N/A	9	250' x 350' 50' x 55'	90,250	N/A	10,028	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	2	N/A	9	600' x 350' 250' x 100'	235,000	N/A	26,111	D&V
Cisco 1200 AP 802.11b @ 20dB	C	2	N/A	9	150 x 120	36,000	N/A	4,000	D&V
Cisco 1242 AP 802.11g @ -75 dBm	D	1	N/A	9	250' x 200'	50,000	N/A	5,556	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	1	N/A	12	500' x 350'	175,000	N/A	14,583	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	1	N/A	14	600' x 450'	270,000	N/A	19,286	D&V

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Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	2	N/A	14	500' x 300'	150,000	N/A	10,714	D&V
Cisco 1200 AP 802.11g @ -75dBm (25dB)	B	2	N/A	14	500' x 500 50' x 75'	253,750	N/A	18,125	D&V
Cisco 1200 AP 802.11g @ 20dB	C	2	N/A	15	175' x 175'	61,250	N/A	4,083	D&V
Cisco 1242 AP 802.11g @ -70dBm (30dB)	B	1	N/A	20	900' x 350'	315,000	N/A	15,750	D&V
Cisco 1242 AP 802.11g @ -75 dBm	C	3	N/A	20	100' x 90' 210' x 310' 210' x 310'	139,200	N/A	6,960	D&V
Cisco 1130AG AP 802.11g @ -75dBm (25dB)	C	1	N/A	24	300' x 250'	75,000	N/A	3,125	D&V
Cisco 1200 AP 802.11g @ -75 dBm	D	3	N/A	28	235' x 115'	81,075	N/A	2,896	D&V
Cisco 1200 AP 802.11g @ 20dB	C	4	N/A	44	275' x 175'	192,500	N/A	4,375	D&V
Cisco 1500 AP 802.11g @ -75dBm (25dB)	A	1	N/A	58	4000' x 3500'	14,000,000	N/A	241,379	D&V
Cisco 1200 AP 802.11g @ 25 dB	C	4	N/A	60	550' x 350'	770,000	N/A	12,833	D&V

TOTAL # of Floors	TOTAL AP's 802.11a	TOTAL AP's 802.11b/g	TOTAL Square Footage
369	983	2,049	30,368,116