

Circuit Description

1. The dongle uses the YC1363-N 2.4G chip.
2. The dongle is powered by DC 5V from USB port
3. The YC1363-N is a very low power , high performance and highly integrated 2.4G Proprietary solution, designed for operation over the 2400MHz to 2483.5MHz ISM frequency band.
4. Operating frequency range:2402MHz to 2480Mhz
5. Modulation technique: GFSK
6. Antenna Type: PCB
7. Antenna Gain: 1.3dBi
8. Hopping information:

Channel list:

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2402	21	2422	41	2442	61	2462
2	2403	22	2423	42	2443	62	2463
3	2404	23	2424	43	2444	63	2464
4	2405	24	2425	44	2445	64	2465
5	2406	25	2426	45	2446	65	2466
6	2407	26	2427	46	2447	66	2467
7	2408	27	2428	47	2448	67	2468
8	2409	28	2429	48	2449	68	2469
9	2410	29	2430	49	2450	69	2470
10	2411	30	2431	50	2451	70	2471
11	2412	31	2432	51	2452	71	2472
12	2413	32	2433	52	2453	72	2473
13	2414	33	2434	53	2454	73	2474
14	2415	34	2435	54	2455	74	2475
15	2416	35	2436	55	2456	75	2476
16	2417	36	2437	56	2457	76	2477
17	2418	37	2438	57	2458	77	2478
18	2419	38	2439	58	2459	78	2479
19	2420	39	2440	59	2460	79	2480
20	2421	40	2441	60	2461	/	/

The device employs 79 hopping channels: total hopping 610 (Hops in Observed Time) times for each channel in 31.6s (limited*channel numbers) period.

Pulse Time: 0.410ms