

## Operation Description

This product controlled by the main MT8163. When power on, the CPU will reset, and detecting the connecting device success, it will mutual communication control.

1. Touch Panel: MT8163 connect with I2C1 communication port control the touch screen.
2. Debug: UART0 print the debug information.
3. RF Chip : MT6625LN ; Crystal : 26MHz

IEEE 802.11 WLAN Mode Supported :	<input checked="" type="checkbox"/> 802.11b <span style="float: right;"><input checked="" type="checkbox"/>802.11g</span> <input checked="" type="checkbox"/> 802.11n(20MHz channel bandwidth) <input checked="" type="checkbox"/> 802.11n(40MHz channel bandwidth)
Modulation :	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Operating Frequency Range :	<input checked="" type="checkbox"/> 2412-2462MHz for 802.11b/g/n(HT20) <input checked="" type="checkbox"/> 2422-2462MHz for 802.11n(HT40)
Number of Channels :	<input checked="" type="checkbox"/> 11 channels for 802.11b/g/n(HT20); <input checked="" type="checkbox"/> 9 channels for 802.11n(HT40);
Antenna Type :	External antenna
Antenna Gain :	2dBi
Power Supply:	DC 12V

Channel List			
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412		
2	2417		
3	2422	3	2422
4	2427	4	2427
5	2432	5	2432
6	2437	6	2437
7	2442	7	2442
8	2447	8	2447
9	2452	9	2452
10	2457	10	2457
11	2462	11	2462
802.11b/g/n(HT20)		802.11n(HT40)	

Operation Frequency:	2402MHz-2480MHz
Channel numbers:	79
Channel separation:	1MHz
Modulation type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Antenna Type:	External antenna
Antenna gain:	2dBi
Power supply:	DC 12V

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