BASE

The signal, which inputted in TEL-LINE, is DC coupled at TR and transformed Analog into Digital at MU1 .
DATA that is transformed into Digital signal and transmitted to RF part.
The signal, which inputted to RF part, is mixed with Carrier supplied to VCO at RF-U3 and create TX frequency of using channel and then is transmitted to ANTENNA through RF-u2.

The signal received to antenna is transmitted to RF-Q9, Q1 by RX/TX control time.
The signal inputted at RF-U1 is mixed Carrier of VCO and got to direct conversion and create Base band signal. And then, create demodulation is transmitted to U2 and generated. Digital signal is transformed into Analog at U3.
This audio signal is passed through MU2 and transmitted to TEL-LINE through the Transformer (TR).

Caller ID signal which inputted to the Tel-Line (in case of TYPEI) passes through DC25,26,DR 25,26 and then, is transformed into digital data at DU5 and is transmitted to CU2. (in case of TYPE   ) passes through Transformer (TR) , DC21, DR21,22 and then, transformed into digital data at DU4 and is transmitted to CU2.

The transformed signal into digital data is transmitted to the Handset, and then The Handset is displayed CID data.

Line in use state: when the Unit is offhook or the line is off hook state, The Line detect port is high through DR7-12, and DU3, When the Unit is on hook or the line is on hook state. The Line detect port is low.

When the ring is incoming into the Tel-Line, The signal passes through HR2, HU1 and then detected at CU2. and transmitted to the Handset.

HANDSET

The signal which is inputted to MIC is transformed Analog into Digital at U3.
DATA, which is transformed into Digital signal. And transmitted to RF part.
The digital signal, which inputted to RF part, is mixed with Carrier supplied to
VCO at RF-U3 and create TX frequency of using channel and then is transmitted
to ANTENNA through RF-U2.

The signal received to antenna is transmitted to RF-Q9,Q1 by RX/TX control time.
The signal inputted at RF-U1 is mixed Carrier of VCO and got to direct conversion
and create base band signal, and then, create demodulation signal which is transmitted
to U2 to generate Digital signal. This signal is transformed into Analog at U3.
This audio signal is passed through R23, 24, 26, C19 and transmitted the RECEIVER
unit.

The Caller ID data which is received from Base is transformed to data which is able to
display at U7, U7 activates LCD driver, and then, display caller ID messages.

When the handset is low voltageR43, R44 make the 76 pin of U1 change AD
converter and indicate low voltage.

AC adapter. The handset is powered from an internal battery pack.

This device operates by means of a full duplex radio frequency TX/RX system in 2.4-2.48GHz band with Spread Spectrum Technology. These radio frequency system operate in accordance with part 15 of the FCC rules. This device has been specifically designed to comply with the requirements set forth in Part 68 of the FCC rules as well as the Part 15 requirements. The specifications are below:

General:

Modulation	: Frequency hopping Spread Spectrum Modulation
Operating Temperature:	: 0 deg. C to +50 deg. C
Security Codes	: 1.4 million

Base Unit

| Frequency Band | : 2.4-2.48GHz |
| Power Requirements | : 9VDC , 1000mA (Use with AC Adapter) |

Handset:

| Frequency Band | : 2.4-2.48GHz |
| Power Requirements | : 3.6VDC (Rechargeable Ni-MH Battery) |

SUPPLEMENTAL INFORMATION

1. Channel List (Center frequency for both units):

CH	Frequency
1	2402.3040
2	2403.3280
3	2404.3520
4	2405.3760
5	2406.4000
6	2407.4240
7	2408.4480
8	2409.4720
9	2410.4960
10	2411.5200
11	2412.5440
12	2413.5680
13	2414.5920

14	2415.6160
15	2416.6400
16	2417.6640
17	2418.6880
18	2419.7120
19	2420.7360
20	2421,7600
21	2422.7840
22	2423.8080
23	2424.8320
24	2425.8560
25	2426.8800
26	2427.9040
27	2428.9280
28	2429.9520
29	2430.9760
30	2432.0000
31	2433.0240
32	2434.0480
33	2435.0720
34	2436.0960
35	2437.1200
36	2438.1440
37	2439.1680
38	2440.1920
39	2441.2160
40	2442.2400
41	2443.2640
42	2444.2880
43	2445.3120
44	2446.3360
45	2447.3600
46	2448.3840 (no use)
47	2449.4080 (no use)
48	2450.4320 (no use)
49	2451.4560 (no use)
50	2452.4800 (no use)
51	2453.5040

52	2454.5280
53	2455.5520
54	2456.5760
55	2457.6000
56	2458.6240
57	2459.6480
58	2460.6720
59	2461.6960
60	2462.7200
61	2463.7440
62	2464.7680
63	2465.7920
64	2466.8160
65	2467.8400
66	2468.8640
67	2469.8880
68	2470.9120
69	2471.9360
70	2472.9600
71	2473.9840
72	2475.0080
73	2476.0320
74	2477.0560
75	2478.0800
76	2479.1040
77	2480.1280
78	2481.1520
79	2482.1760 (no use may be over ISM band)