

Operational Description

FCC ID: ZUY-ACCOMPANIST3

Description:	Accompanist
Brand Name:	Accompanist
Model Name:	Accompanist-3
Power Supply:	DC: 10~12.6V by Li-ion Battery; DC: 16V by AC Adapter(100V-240V 50/60Hz);
Frequency Range:	802.11b: 2412MHz - 2462MHz 802.11g: 2412MHz - 2462MHz
Number of Channels:	IEEE 802.11b/g mode: 11 Channels IEEE 802.11n Standard-20 MHz Channel mode: 11 Channels
Modulation Technique:	IEEE 802.11b mode: DSSS (1, 2, 5.5 and 11 Mbps) IEEE 802.11g mode: OFDM (6, 9, 12 , 18, 24, 36, 48 and 54 Mbps) IEEE 802.11n Standard-20 MHz Channel mode: OFDM(6.5, 13, 19.5, 26, 39, 52, 58.5, 65.0Mbps)
Antenna Type:	Internal
Antenna Gain:	2.0 dBi
Temperature Range:	-20°C ~ +50°C

ARM Core MPU as Central Process Unit , execute function control and run system. NAND as storage memory, store system image and user setting. LPDDR is program execution space. POWER PART supply system power for modules of the entire board and the system main clock. INTERFACE IC provides audio interface and USB OTG interface. CHARGER provides management of charger. PWR CTL is the circuit for control of switching and resetting system.

The main board provide extend several connectors, such as TF card interface, USB HOST, FOOTKEY, UART (RS232 level), Li battery charger, headset, MIC In, 2-ch amplifiers, LVDS, BL, four-wire resistive touch panel interface.

The power is DC10~12.6V by Li-ion Battery or DC 16V by AC adapter, the antenna is internal and its gain is 2.0 dBi.

Clock Features:

TPS65930 device, 32.768 kHz (32KXIN/32KXOUT) and 26 MHz (HFCLKIN)

WIFI is wireless Internet chip (WG7310) with slow clock 32.768 KHz

Interface chip (FE1.1) 12 MHz