

**Model Description**

<b>FCC ID</b>	<b>APYHRO00143</b>	<b>Model Name</b> : 006SH
<b>Destination</b>	: Japan Market only	<b>Brand Name</b> : SoftBank
<b>Emission Type</b>	: GSM(PCS) ----- GXW	<b>Type of Equipment</b> : Cellular Phone / Bluetooth, WLAN and FeliCa enable

## RF-section

Items				
Cellular Phone	<b>Technical Specification</b>	<b>3GPP Release-6</b>		
	Frequency Band	WCDMA 1500MHz(FDD XI): Tx 1430.4 to 1445.4MHz, Rx 1478.4 to 1493.4MHz 2000MHz(FDD I) : Tx 1922.6 to 1977.4MHz, Rx 2112.6 to 2167.4MHz NOTE: FDD I and FDD XI do not operate in USA		
		GSM 900MHz : Tx 880.2 to 914.8MHz, Rx 925.2 to 959.8MHz 1800MHz : Tx 1710.2 to 1784.8MHz, Rx 1805.2 to 1879.8MHz 1900MHz : Tx 1850.2 to 1909.8MHz, Rx 1930.2 to 1989.8MHz NOTE: GSM900/1800MHz Bands do not operate in USA		
	Tx Power	WCDMA : 24dBm+1dB/-3dB (both FDD I and FDD XI)		
		GSM 900MHz : 33dBm±2dB(GSM/GPRS) 1800MHz: 30dBm±2dB(GSM/GPRS) 1900MHz: 30dBm±2dB(GSM/GPRS)		
	Transmission Technology	WCDMA : DS/CDMA, FDD GSM : FDMA/TDMA		
	Data Transmission	WCDMA : HSPA (both Downlink and Uplink) GSM GPRS: GMSK GSM GPRS Class 10 (Total 5slots, TX: max 2 / RX: max 4)		
	Voice Codec	WCDMA : AMR GSM : AMR, EFR/ FR/HR		
Antenna	Integrated Antenna: Reversed L Type Antenna ----- See attached construction drawing			
Bluetooth	Technical Specification	Bluetooth Version 3.0 (Controller Subsystem: 2.1 + EDR / Host Subsystem: 3.0+HS)		
	Frequency Band	TX 2402MHz to 2480MHz RX 2402MHz to 2480MHz		
	Tx Power	Class2, Nominal 0dBm (Max +4dBm / min -6dBm)		
	Type of Modulation	GFSK,π/4QPSK,8DPSK		
	Transmission Technology	FHSS		
	Antenna	Integrated Antenna ---- See attached construction drawing Reversed L-Type / Gain= 0 dBi		
WLAN	Technical Specification	IEEE 802.11b+802.11g + 802.11 n		
	Frequency Band	TX	2412MHz to 2472MHz	11n Stream
		RX	2412MHz to 2472MHz	
		Band	2.4GHz	
		Tx	1	0
		Rx	1	0
	Tx Power	Nominal: 17.5dBm(b)/14dBm(g/n), Max[ave.]: 19.5dBm(b)/16dBm(g/n)		
Type of Modulation	BPSK,QPSK,16QAM,64QAM			
Transmission Technology	DSSS,OFDM			
Antenna	Integrated with Bluetooth Antenna and WLAN Antenna			
Personal wireless routers	Yes			
RF ID (FeliCa)	Technical Specification	NFCIP-1(ISO/IEC18092)		
	Frequency Band	13.56 -13.56MHz		
	Type of Modulation	ASK(10%)		
	Antenna	Integrated Loop Antenna----- See attached construction drawing		

## Class B Personal computer PERIPHERAL DEVICE

Items		
CPU	Clock Frequency	(source) 24.576MHz (internal)MAX 1.4GHz
	Clock Frequency	USB driver function is included in CPU.
USB	USB Data Cable / Connector	Shielded / Shielded

## Feature

Cell Phone Feature	SIM		Plug-in 3V SIM card slot
	Display		
		Main	4.16-inch,16,777,216colors TFT(ASV), 960x540(QHD) with SW-LCD(3D) , touch Panel & Backlight
		Sub	None
	Camera		
		Main	Twin CMOS 8M pixel camera with autofocus function.
		Sub	VGA CMOS camera
	Battery/ Talk time		
		Battery Capacity	1240mAh
		Battery type	Rechargeable Lithium-Ion Battery
		standby time	WCDMA 390h / GSM 350h
		talk time	WCDMA 350min. / GSM 340min.
	Dimensions		
		Target size	64.6 mm(W) × 129.8 mm(D) × 14.26 mm(H)
		Target weight	139g (include battery)
Key Layout		Main 3 keys (Menu, Home, Back) and 5 side keys.(Stand-by, AF/shutter, Up, Down, Search) , Touch-panel on the screen,	
VoIP		Yes: WLAN and Cellular(Data transmit mode)	

## Interface

External I/F	micro-USB connector	For USB Cable or AC Charger (with the cable converting to micro-USB)
	Φ3.5mm Stereo connector	For Stereo Headset or Handsfree
	SIM card terminal	1 slot
	SD Card connector	For microSD card (1 slot)

## Accessory

Accessory	AC Charger	Optional Accessories, Input AC 100 to 240V Output DC 5.4V/700mA
	Battery	Inbox Accessories, Lithium-Ion,DC3.7V 1240mAh
	USB cable for PC connection (micro-USB <-> USB)	Inbox Accessories
	Cable converting to micro-USB for AC Charger	Inbox Accessories
	Stereo earphone (Headset) or Handsfree	Optional Accessories
	Cradle (stand)	Inbox Accessories