

Model Description

FCC ID : APYHRO00062
Model Name : 920SH (Development Code: Altair, Internal Name: JN-J435)
Type of Emission : 247KGXW
Brand Name : SoftBank by Sharp
Type of Equipment : WCDMA & Tri-band (900/1800/1900) GSM Dual mode Mobile Phone / Bluetooth Enable

Specification

		Items	
MAIN SPECIFICATION	Frequency Band		WCDMA : TX 1922.6 to 1977.4MHz RX 2112.6 to 2167.4MHz 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 (WCDMA & GSM900/1800MHz Band do not operate in USA)
			Bluetooth : TX 2402MHz to 2480MHz RX 2402MHz to 2480MHz
	Tx Power (Mobile Phone)		WCDMA 24dBm +1dB/-3dB 900MHz 33dBm±2dB 1800MHz 30dBm±2dB 1900MHz 30dBm±2dB
	Tx Power (Bluetooth)		Class2, Nominal 0dBm (Max +4dBm / min -6dBm)
	Type of Modulation (Mobile Phone)		WCDMA : G1A, G1B, G1C, G1D, G1E, G1F, G1X, G7W GSM : GXW Bluetooth : GFSK
	Transmission Technology		WCDMA : DS/CDMA, FDD GSM : FDMA/TDMA Bluetooth : FHSS
	Voice Codec		WCDMA : AMR GSM : EFR/ FR
	GPRS		Class B, Class 10 (Total 5slots, TX: max 2 / RX: max 4)
	Antenna (Mobile & Bluetooth)		Integrated Antenna: Reversed Mono-pole L-Type
	SIM		Plug-in 3V SIM card slot
	Display		
		Main LCD	3.2", 262,144 colors, TFT(ASV), 854x480(Full Wide VGA) with Backlight
		Sub EL	Monochrome, 60(W) × 32(H)
	Camera		
		Resolution	(Main) C-MOS 3.2M pixel (Sub) None
	WAP Browser		ACCESS Net front
	Battery/Talk time		
		Capacity	820mAh
		Battery Type	Rechargeable Lithium-Ion Battery
		Standby time	300h
	Talk time	230min(WCDMA) / 230min(GSM)	

	Dimensions		
		Target size	50.0 (W) x 110.5(D) x 18.85 (H) mm (Closed State)
		Target weight	123g
	Key Layout		Soft key1, Soft key2, Navigation key, Center key, Custom keys, 0-9 numeric keys, Send/End key, *,# and 4 side keys
Bar code (JAN/QR)		Scan / Decode , Encode(make a image file)	
External Interface	Bluetooth		Ver 2.0 (GAP,SDAP, SPP, Headset-AG, DUN-GW, GEOP, OPP, HFP-AG, FTP-Server, BIP-ImagePush, AVDTP-Source, AVDTP-Initiator, AVDTP-Accepter, AVCTP-Target, GAVDP, A2DP-Source, AVRCP-Target)
	Ir		IrDA Ver 1.4, IrSimple/IrSS
SD	SD		microSD
		Audio	Ver 1.0
External Interface Connector	Stereo Headset Connector		For Stereo Headset (10 pins)
	MCPC connector		For USB Cable or PC Link cable or AC Charger
	SIM Card terminal		1 slot
	SD card terminal		For microSD card [1 slot]
	Integrated charger circuit		The terminals of charging are for using a cradle.
Accessories	LCD Remote Controller		Optional Accessory
	STEREO Headset		Included Accessory (Also available for purchase), 1.7m long
	USB Cable		Included Accessory, 0.8m long
	AC Charger		Optional Accessory (Input AC 100 to 240V , Output DC 5.4V / 700mA)
	Battery		Lithium-Ion, DC 3.7V / 820mAh Included (Also available for purchase).