

X657B Operation Description

The device is a 2/3/4G smart phone; it supports GSM, WCDMA, LTE, Bluetooth, WIFI, GPS, and lots of additional entertainment functions like Camera, Image Viewer, Video Player, Audio Player and FM radio.

EDGE is supported by the device.

The device is able to connect to PC for data transfer through its USB port.

The device designated with the following general information and technical specification as following:

The General Information of the Device

FCC ID	2AIZN-X657B
Product Name	Mobile Phone
Model Name	X657B
Brand Name	INFINIX
Hardware Version	V1.4
Software Version	X657B-H6117DEF-QGo-200325V34
Voltage	DC 3.85V

The Basic Technical Specification for GSM/WCDMA/LTE

Frequency Band	<input checked="" type="checkbox"/> GSM850 <input checked="" type="checkbox"/> PCS1900 (U.S. Bands) <input checked="" type="checkbox"/> GSM900 <input checked="" type="checkbox"/> DCS1800 (Non-U.S. Bands) <input checked="" type="checkbox"/> UMTS FDD Band II <input checked="" type="checkbox"/> UMTS FDD Band IV <input checked="" type="checkbox"/> UMTS FDD Band V (U.S. Bands) <input type="checkbox"/> UMTS FDD Band I <input type="checkbox"/> UMTS FDD Band VIII (Non-U.S. Bands) <input checked="" type="checkbox"/> LTE FDD Band 2/4/5/7
GPRS Type	Class B
GPRS Class	Class12(1Tx+4Rx, 2Tx+3Rx,3Tx+2Rx, 4Tx+1Rx)
Modulation	GSM/GPRS: GMSK EDGE: GMSK, 8PSK WCDMA:QPSK; HSDPA:QPSK/16QAM; HSUPA:BPSK; LTE: QPSK, 16QAM
Antenna Gain	GSM 850: -1.9dBi PCS1900: -0.6dBi WCDMA Band II: -0.6dBi WCDMA Band V: -1.9dBi WCDMA Band IV: -0.8dBi LTE Band 2: -0.6dBi LTE Band 4: -0.8dBi LTE Band 5: -1.9dBi LTE Band 7: -0.3dBi
Release Version	R99 (GSM) Rel-6 (WCDMA) Rel-7 (LTE)

The Basic Technical Specification for Bluetooth

Frequency Band	2402-2480MHz
Version	Bluetooth v4.0 with BLE
Modulation	GFSK, $\pi/4$ -DQPSK, 8DPSK
Antenna Gain	1.2dBi

The Basic Technical Specification for WIFI

Frequency Band	802.11b/g/n HT20: 2412~2462MHz 802.11n HT40: 2422~2452MHz 802.11a/ n(HT20/40)/ac(HT20/40/80): 5150MHz to 5250MHz 802.11a/ n(HT20/40)/ac(HT20/40/80): 5725MHz to 5850MHz
Modulation	DSSS(DBPSK/DQPSK/CCK); OFDM(BPSK/QPSK/16-QAM/64-QAM)
Antenna Gain	WiFi(2.4G): 1.2dBi WiFi(5G) U-NII-1: -0.9dBi U-NII-3: -0.9dBi
Hot Spot mode	<input checked="" type="checkbox"/> YES <input type="checkbox"/> N/A

The Basic Technical Specification for FM Receiver

Frequency Band	87.5MHz-108MHz
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The Basic Technical Specification for Audio&Charger

The schematic was designed many LTE Bands, this phone only support LTE bands 2/4/5/7, the other LTE bands were shield by software.

The GPRS Type for this device is Class B and the GPRS Multislot Class is 12 which is compatible with GPRS Class 8 and Class 10. The Maximum number of down link, uplink and total timeslots per frame for GPRS for this device is as following: GPRS Class 8 (1TX+4RX), GPRS Class 10 (1TX+4RX; 2TX+ 3RX), GPRS Class 12 (1TX+4RX; 2TX+ 3RX;3TX+2RX; 4TX+ 1RX)

Name	Input power damain	Default Voltage(V)	Vout (Volt)	Voltage step (mV)	I _{max} (mA)	Default on (Y/N)	Application
VPROC	VBAT	1.24	0.3 ~ 1.45	6.40	6400	Y	CPU
VCORE1	VBAT	1.24	0.3 ~ 1.45	6.40	3600	Y	CORE_AO
VSYS22	VBAT	2.31	1.8 ~ 2.4	NA	1750	Y	SYS LDOS
VPA	VBAT	1.0	0.5 ~ 3.6	50	500	N	PA