

Specification

Function	Specification
Frequency Range GSM850	TX: 824.2 – 848.8 MHz
	Frequency (MHz) = $824.2 + (0.2 \times (n-128))$ where: $128 < n < 251$
	RX: 869.2 – 893.8 MHz
	Frequency (MHz) = $869.2 + (0.2 \times (n-128))$ where: $128 \leq n \leq 251$
Frequency Range GSM900	TX: 880.2 – 914.8 MHz
	Frequency (MHz) = $890 + (0.2 \times n)$ where: $0 \leq n \leq 124$
	Frequency (MHz) = $890 + (0.2 \times (n - 1024))$ where: $975 \leq n \leq 1023$
	RX: 925.2 – 959.8 MHz
	Frequency (MHz) = $935 + (0.2 \times n)$ where: $0 \leq n \leq 124$
	Frequency (MHz) = $935 + (0.2 \times (n - 1024))$ where: $975 \leq n \leq 1023$
Frequency Range GSM1800	TX: 1710.2 to 1784.8 MHz
	Frequency (MHz) = $1710.2 + (0.2 \times (n - 512))$ where: $512 < n < 885$
	RX: 1805.2 to 1879.8 MHz
	Frequency (MHz) = $1805.2 + (0.2 \times (n - 512))$ where: $512 < n < 885$
Frequency Range GSM1900	TX: 1850.2 to 1909.8 MHz
	Frequency (MHz) = $1850.2 + (0.2 \times (n - 512))$ where: $512 < n < 810$
	RX: 1930.2 to 1989.8 MHz
	Frequency (MHz) = $1930.2 + (0.2 \times (n - 512))$ where: $512 < n < 810$
Frequency Range WCDMA Band II	Tx (Uplink) : 1850M~1910M Hz
	Frequency (MHz) = $1852.4 + (0.2 \times (n - 9262))$ where: $9262 \leq n \leq 9538$
	RX (Downlink) : 1930M~1990M Hz
	Frequency (MHz) = $1932.4 + (0.2 \times (n - 9662))$ where: $9662 \leq n \leq 9938$
Frequency Range WCDMA Band V	Tx (Uplink) : 824M~849M Hz
	Frequency (MHz) = $826.4 + (0.2 \times (n - 4132))$ where: $4132 \leq n \leq 4233$
	RX (Downlink) : 869M~894M Hz
	Frequency (MHz) = $871.4 + (0.2 \times (n - 4357))$ where: $4357 \leq n \leq 4458$
Channel Spacing	200 kHz (GSM) 5MHz (WCDMA)

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Channels	124 (GSM850), 174 (GSM900), 374 (DCS1800), 299 (PCS1900), 277 (BC II), 102 (BC V)
Duplex Spacing	45 MHz (GSM850), 45MHz (GSM900), 95 MHz (DCS1800), 80 MHz (PCS1900), 80 MHz (BC II), 45 MHz (BC V)
Modulation	GMSK/8PSK (GSM850, GSM900, DCS1800, PCS1900) Uplink:BPSK (WCDMA) Downlink:QPSK (WCDMA)
Transmitter Phase Accuracy	5 degrees RMS, 20 Degrees peak
Frequency Error	± 0.1ppm
Input/ Output Impedance	50 ohms (nominal)
Nominal Operating Voltage	+3.7 Vdc (Battery)
Dimensions (xyz)	109.5x47x12.9mm
Size	66cc
Weight	71g
Display	LCD TFT 176*220 Pixels_2.0_inch
Battery Life (910 mAh)	GSM talk time:440 minutes (PCL10)/ WCDMA talk time:251 minutes(10dBm)
	GSM standby time: 650 hours (PP5)/WCDMA standby time:600hours(DRX=7)
Nominal Operating Temperature Range	-10° C to +55° C

GSM System Functions	Specification
Speech Coding Type	FR / EFR / AMR / HR
Bit Rate	13.0 kbps
RF Power Output	32 dBm nominal GSM, 29 dBm nominal DCS / PCS
Spurious Emissions	-36 dBm from 0.1 to 1 GHz, -30 dBm from 1 to 4 GHz
Receive Sensitivity	-102 dBm GSM, -102 dBm DCS / PCS
RX Bit Error Rate	< 2%

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WCDMA System Functions	Specification
Speech Coding Type	FR / EFR / AMR / HR
Bit Rate	12.2 kbps
RF Power Output	23 dBm
Spurious Emissions	-36 dBm from 0.1 to 1 GHz, -30 dBm from 1 to 12.75 GHz
Receive Sensitivity	-105 dBm Band II、 Band V
RX Bit Error Rate	< 0.1%