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CDMA Handset Technical specification  
ZTE C350

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### Revision History

Date	Version	Name	Description of Change
2006-10-25	V1.0	Dingling	First Draft
2008-1-17	V1.1	Daiye	Update Parameters

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## 1. Product Picture

This is a general version picture of this product. Logo and silk print on mechanical parts, Key pad, etc. may be different to different projects.



## 2. General Specifications

Items	C350 CDMA2000 1X Handset	Remark
<b>Protocol</b>	CDMA 2000 1x Release 0	back compatible with IS-95A/B
<b>Chipset</b>	QSC6010	
<b>Frequency</b>	TX: 824MHz~849MHz RX: 869MHz~894MHz CDMA Cellular	
<b>Dimension</b>	88mm x 46mm x 16mm	
<b>Weight</b>	72g(including battery)	
<b>LCD</b>	CSTN , 65K	128 * 128 pixels
<b>Memory</b>	64M Flash + 16M SRAM	

<b>Vocoder</b>	8K EVRC , 4GV	
<b>Keypad</b>	21 keys including 4 way navigation key	
<b>Vibrator</b>	Built-in Vibrator	
<b>Earphone</b>	Support	
<b>Travel Charger</b>	Input: 100V~240V AC Output: 5.0VDC 700mA	
<b>Battery</b>	670mAh / Li-Ion	
<b>Antenna</b>	Internal	
<b>Color</b>	CSTN 65K	

### 3. Main Functions

Items	Description	Remark
<b>Voice</b>	Mobile Originate Call	Support
	Mobile Terminate Call	Support
	Caller number display	Support
	Call Forward	Network support required
	Call waiting	Network support required
	Recent Calls	40 Incoming calls 40 Outgoing calls 40 Missed calls
	Ringer	32 Poly, 31 types(20*Incoming Calls+6*SMS+5 self recorded)
	Vibrator	Support
	Language	Chinese/English,
<b>SMS</b>	Sending SMS	100 SMS in OutBox
	Receiving SMS	100 SMS in InBox
	SMS length	160 English characters Maximum
<b>Phonebook</b>	Group Names Support	500*3 Including 3 phone numbers
<b>Input</b>	Zi	Support
<b>Security</b>	PIN	Support PIN , PIN change
<b>Extra</b>	Calculator	Support
	Alarm	Support (1 alarm)
	Game	Support
	Stopwatch	Support
<b>Other Functions</b>	OTASP/OTAPA	Support
	Akey	Support
	Brew	Option
	Voice Recording	Support
	Speaker Phone	Support
	FM	NA

## 4. Electric Performance

Item	Design spec.
Mode of Communication	CDMA
Basic Operating Frequency Range (Edge frequency)	TX: 824 ~ 849MHz
	RX: 869 ~ 894MHz
Ratified Operating Frequency Range (Edge frequency)	TX: 824 ~ 835MHz
	RX: 869 ~ 880MHz
Frequency Step	30kHz
TX / RX separation	45MHz
Channeling (Center frequency)	TX: 824.64 ~ 848.37MHz Interval 30KHz, 792 Channels Interval 30KHz, 625 Channels
	RX: 869.64 ~ 893.37MHz Interval 30KHz, 792 Channels
Type of Modulation	TX: OQPSK
	RX: QPSK
Occupied Bandwidth	1.25MHz
Frequency Tolerance	±300Hz
Receive Sensitivity	-104dBm (FER0.5%)

As in Figure, The module uses QSC6010 single chip platform .The o audio parts such as speaker, receiver, headset and microphone.

The QSC6010 module is the core of system. The module has the interface of LCD and KEYPAD. And manages the system power and battery charging.

## 5. Battery and Charger

Items		Remark
Battery	Type	Lithium
	Voltage	3.7V (working voltage)
	Capacity	670mAh
	Standby Time	80~160 Hours

	Talking Time	2~4 Hours
<b>Charger</b>	Type	Travel Charger
	Input Voltage	AC 100V~240V
	Input Frequency	47Hz ~ 63Hz
	Output Voltage	DC 5V
	Output Current	700mA

## 6. Standard Delivery Unit

Items	Quantity(PCS)
Handset	1
Battery (670mAh)	1
Travel Charger	1
Pretty Box	1
User Manual	1

## 7. Reference standards

- ◆ TIA/EIA/IS-2000.1 Introduction to cdma2000 Standards for Spread Spectrum System
- ◆ TIA/EIA/IS-2000.2 Physical Layer Standard for cdma2000 Spread Spectrum System
- ◆ TIA/EIA/IS-2000.3 Medium Access Control (MAC) Standard for cdma2000 spectrum System
- ◆ TIA/EIA/IS-2000.4 Signaling Layer 2 Standard for cdma2000 Spread Spectrum Systems
- ◆ TIA/EIA/IS-2000.5 Upper Layer(Layer 3) Signaling Standard for cdma2000 spread Spectrum Systems
- ◆ TIA/EIA/IS-2000.6 Analog Signaling Standard for cdma2000 Spread Spectrum Systems
- ◆ 3GPP2 TSG-C4.1 Recommended Minimum Performance Standards for cdma2000 Spread Spectrum Mobile Stations
- ◆ TIA/EIA/IS707.A Data Service Option for Spread Spectrum Systems
- ◆ TIA/EIA/IS707.A.2 Data Service Options for Spread Spectrum systems: Radio link Protocol
- ◆ 3GPP2 C.S0023-0 Removable User Identity Module for Spread Spectrum Systems
- ◆ TIA/EIA/IS-683 Over-the-Air Service Provisioning of Mobile Stations in Wideband Spectrum Cellular Systems