

# CDMA2000 1X /EVDO Wireless Data Card

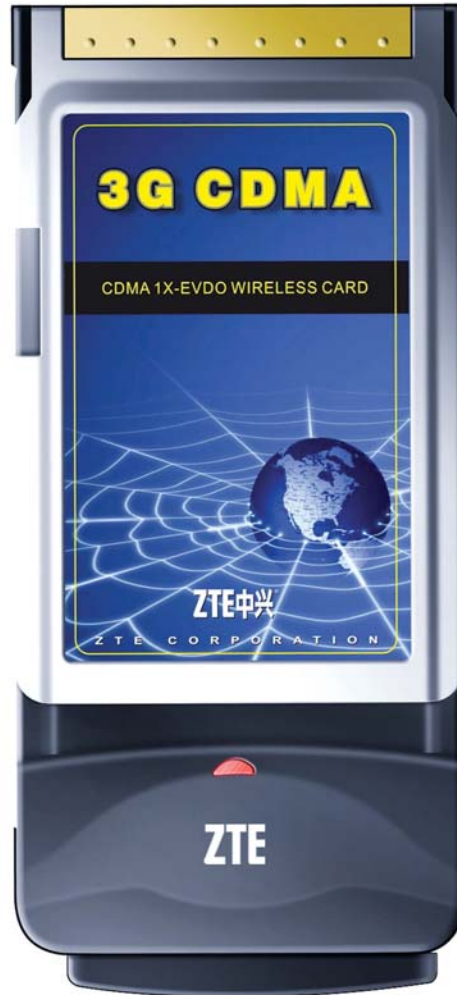
## Technical Specification of ZTE MY39

**ZTE Corporation**

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**1. Product Picture**



## 2. General Specifications

Items	MY39 CDMA 1X/EVDO Data Card	Remark
<b>Protocol</b>	CDMA 2000 1x / EVDO Release 0	IS-95A/B Compatible
<b>Chipset</b>	MSM6500	
<b>Frequency</b>	CDMA 800MHz Cellular (UL824~849,DL869~894) CDMA 1900MHz PCS (UL1850~1910,DL1930~1990)	CDMA 1xEV-DO 1xRTT
<b>Form Factor</b>	PCMCIA Type II	
<b>Dimension</b>	125mm * 54mm *5 mm	H x W x T(mm)
<b>Weight</b>	54g	Antenna Included
<b>Antenna</b>	External and Internal	On 50Ω SSMB Jack
	Receive Diversity	both bands
<b>Software Interface</b>	Standard CDMA AT Commands	IS-707
<b>Supported OS</b>	Windows 2000	
	Windows XP	
<b>System requirements</b>	Card Slot: PCMCIA Type II Card(32 bit Cardbus)	
	Processor: Pentium 200MHz or higher	
	Disk Driver: CD/DVD ROM	
	Minimum Memory: at least 64MB	
	Hard disk Space: at least 15MB free disc space	
<b>PST</b>	Support	
<b>Indication(LED)</b>	Power and Service State	
<b>R-UIM</b>	Support R-UIM	
	Support Non R-UIM	
<b>Housing</b>	High Intensity PC	
	Stainless Steel	

### 3. Main Functions

Items	Description	Remark
<b>Supported Services</b>	CDMA 1X Packet Data(Release0) *Peak data rate is as remark	Reverse Link 153kbps Forward Link 153kbps
	CDMA 1X-EVDO Packet Data (Rev.0) *Peak data rate is as remark	Reverse Link 153kbps Forward Link 2.4Mbps
	MO SMS (1X-RTT only)	
	MT SMS (1X-RTT only)	
	Multiple Language	Chinese/English/Spanish /French (default) Customization as Carriers requirement
	<b>SMS</b>	Edit and send SMS
Receive SMS		
SMS length		160 English characters Maximum
SMS support Inbox/Outbox/Draftbox/Saver folder		
<b>Phonebook</b>	Phonebook on PC	
<b>OTASP</b>	Support	IS-683
<b>High Speed Data</b>	Up to 2.4Mbps	
<b>Security</b>	CDMA authentication & identification	Support
	Dynamic MIP key update	Support
<b>Receiver Diversity</b>	800MHz Receiver Diversity	
	1.9GHz Receiver Diversity	
<b>Indications</b>	Roaming Indication	
	Unread SMS Indication	
	Signal strength	
	Connection time	
	Data byte	
<b>User Interface</b>	Easy use, graphical interface	
<b>Applications</b>	History logs	

#### 4. Electric Performance

Items	Design spec.
Mode of Communication	CDMA 2000 1x EVDO Cellular/PCS
Basic Operating Frequency Range (Edge frequency)	TX: cell,824 ~ 849MHz; pcs,1850 ~ 1910MHz RX: cell,869 ~ 894MHz; pcs,1930 ~ 1990MHz
Frequency Step	Cellular: 30kHz PCS: 50kHz
TX / RX separation	Cellular : 45MHz PCS: 80MHz
Channeling (Center frequency)	TX: 824.64 ~ 848.37MHz; Interval 30KHz, 792 Channels ; 1851.65~1909.35 MHz ; Interval 30KHz, 1187 Channels。 RX: 869.64 ~ 893.37MHz; Interval 30KHz, 792 Channels ; 1930.65~1989.35 MHz ; Interval 50KHz, 1187 Channels
Type of Modulation	TX: OQPSK RX: QPSK
Occupied Bandwidth	1.25MHz

#### 5. Working Voltage

Items	Design Spec
Working Voltage	3.3V (nominal)
Transmit	max 800mA
Idle	110mA

#### 6. Standard Delivery Unit

Items	Quantity (pcs)
MY39 Wireless Data Card	1
Installation CD	1
Warranty Card	1
Quick Start Guide	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-2001-A Interoperability Specifications (IOS) for cdma2000 Access Network Interfaces
- ◆ TIA/EIA/IS-707-A Data Service Option for Spread Spectrum Systems
- ◆ TIA/EIA/IS-856 CDMA2000 High Rate Packet Data Air Interface Specification
- ◆ TIA/EIA/IS-866 Recommended Minimum Performance Standards for cdma2000 High Rate Packet Data Access Terminal
- ◆ TIA/EIA/IS-878 Interoperability Specification (IOS) for High Rate Packet Data (HRPD) Access Network Interfaces
- ◆ TIA/EIA/IS-637 Short Message Service
- ◆ TIA/EIA/IS-683 Over-the-Air Service Provisioning of Mobile Stations in Wideband Spectrum Cellular Systems
- ◆ 3GPP2 C.S0023-0 Removable User Identity Module for Spread Spectrum Systems
- ◆ PCMCIA 2.1/JEIDA 4.2