

W7

7" Mobile Data Terminal with RFID reader



Features

- 7" WVGA LCD with 9 programmable hot keys, 1 power key
- WinCE6.0
- Supports analog video input 1*CVBS input, 2*RS232, 1*USB OTG, 3*DI/2*DO
- Supports WCDMA/GPRS, GPS, RFID reader
- 10V-32V / No battery

Specifications

Processor & Operating System

CPU ARM Cortex-A9 Core 800MHz, CSR A6

Operating System Windows CE 6.0

Memory

DDR3 256MB, up to 512MB

Nand Flash 128MB, up to 4GB

Display

7 inch WVGA 800*480

LED backlight, wide type

350 nits

Keypad & Buttons

9 function keys (support external keyboard)

1 power button

4 LED

Interface ports

RS232 serial ports	2
CVBS Input	1
USB ports	1 x 2.0 USB OTG

Accessible Expansion Slots

Internal/External SD socket	1 x Micro SD and 1 x External SD, support up to 32G
Internal SIM card	GSM communication

I/O port

Digital input x 3 line

Digital output x 2 line

Audio

Speaker	2W 8ohm, Size:40mm
	EAR & MIC

GPS

GPS/BD Module ATGM332D

66 channels

Sensitivity -163 dBm

GSM/GPRS/WCDMA (3G)

GPRS module	SIM800 850 MHz/900 MHz/1800 MHz/1900 MHz
WCDMA module	MU709 900 MHz/1800 MHz/1900 MHz/2100MHz
	MU609 850 MHz/900 MHz/1800 MHz/1900 MHz
	Sensitivity -106 dBm

Wireless Communication

FM(optional)

RFID reader Mifare 1 s50,s70 meet requirement ISO14443A
13.56MHZ Mifare card read/write

Bluetooth(optional) Class 2, 4.0 (GAP/SPP)

Antenna

GPS Antenna	External
GSM Antenna	External

Physical Characteristics

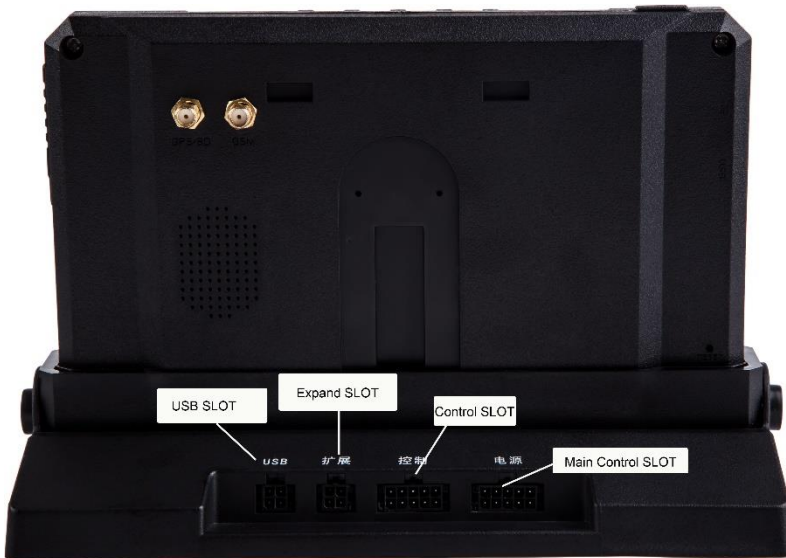
Size	200*118*28mm
Weight	1.5 kg

Environment

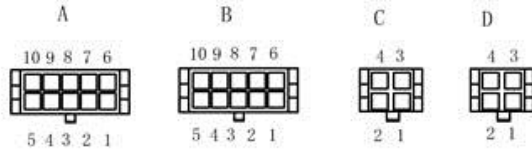
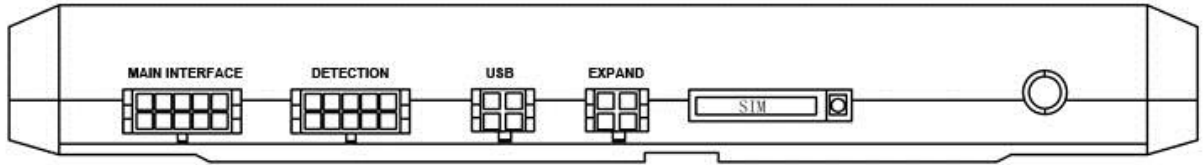
Main Power	9~36V
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Battery	No battery
Operating Temperature	-20°C to +70°C
Humidity	5% - 90%

I/O Connector



Pin Assignment



A		B		C		D			
1	B-	1	UTXD1	COM7	1	USB D+	1	USB D+/UTXD0 /LINEINL	COM5
2	B+	2	URXD1		2	USB D-			
3	ACC	3	INPUT0/KEY	GP101_14	3	USB 5V	3	USB 5V/MIC_P	
4	GND	4	INPUT1	GP101_10	4	GND			
5	TXD1	COM2	5	INPUT2	GP101_22				
6	RXD1		6	OUTPUT0	GP101_7				
7	GND	7	OUTPUT1	GP101_23					
8	TXD2	COM4	8	GND					
9	RXD2		9	CVBS1					
10	INPUT3	GP102_14	10	CVBS2					

W7 interfaces