

W701A

7" Mobile Data Terminal with Quad-core ARM Cortex-A9



Features

- 7" inch capacitive touch screen, 1 power key
- Android 4.4.4 OS
- Supports analog video input 1*CVBS input, 3*RS232, 1*RS485, 1*CANBUS, 1*USB OTG, 4*DI/2*DO
- Supports LTE/WCDMA/GPRS, GPS
- 10V-32V / No battery

Specifications

Processor & Operating System

CPU	Rockchip PX3 cortex-A9 Quad-core, 1.6GHz
Operating System	Android 4.4.4

Memory

DDR	2GB
EMMC	8GB

Display

7 inch WVGA 800*480, Capacitive screen
LED backlight, wide type
350 nits

Keypad & Buttons

1 power button
1 LED

Interface ports

RS232 serial ports	3
RS485 (Optional)	1
CVBS Input	1(default)
CANBUS (Optional)	1
USB ports	1 x 2.0 USB Device (default)

Accessible Expansion Slots

Internal/External TF socket	Micro SD card / max 128G Byte
Internal SIM card	GSM communication

I/O port

Digital input x 4 line

Digital output x 2 line

Audio

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

GPS

GPS/BD Module ATGM332D

66 channels

Sensitivity -163 dBm

WCDMA/LTE

WCDMA module	MU709 900 MHz/1800 MHz/1900 MHz/2100MHz (default)
LTE module(optional)	MU609 850 MHz/900 MHz/1800 MHz/1900 MHz (optional)
	Sensitivity -106 dBm

Wireless Communication

Bluetooth(optional)	Version 3.0, Class II; support hand-free call
WIFI	Realtek 8189ES

Antenna

GPS Antenna	External
GSM Antenna	External

Physical Characteristics

Size	190*118*25mm
Weight	Approximately 2.5kg

Environment

Main Power	10V~32V
Battery	No battery
Operating Temperature	-30°C to 80°C
Storage Temperature	-40°C to 85°C
Humidity	5% - 90%

I/O Connector



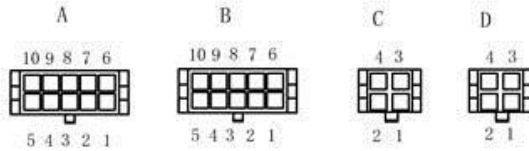
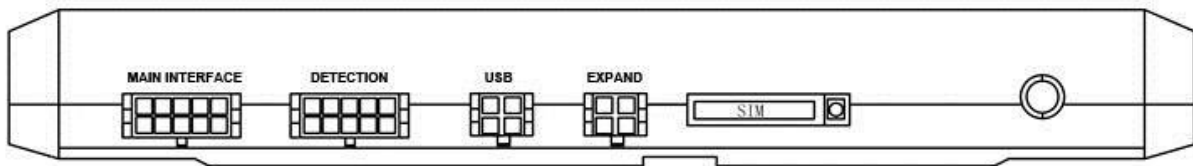




Two Solutions for Connection

1. A, B C, D Harnesses Pin Assignment

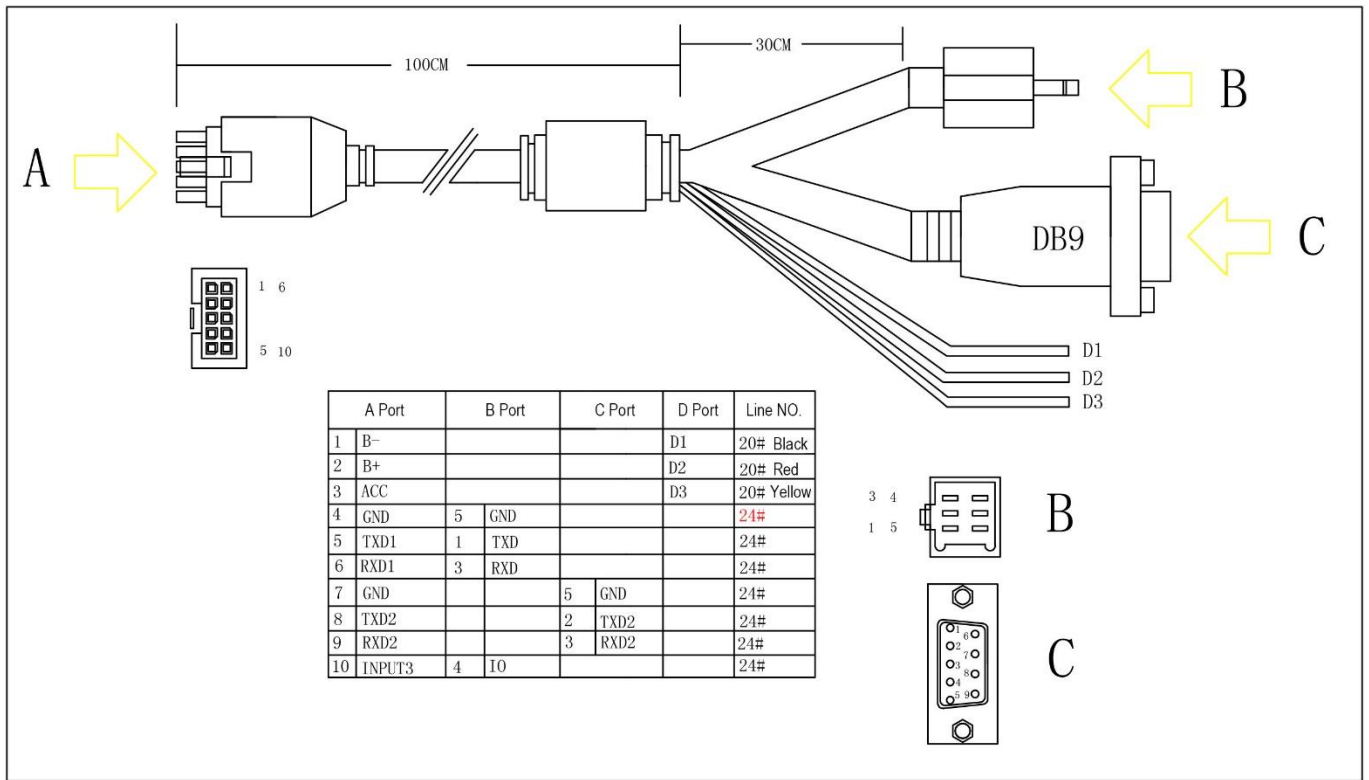
Please choose what interfaces you want, we will make new extension lines for you.



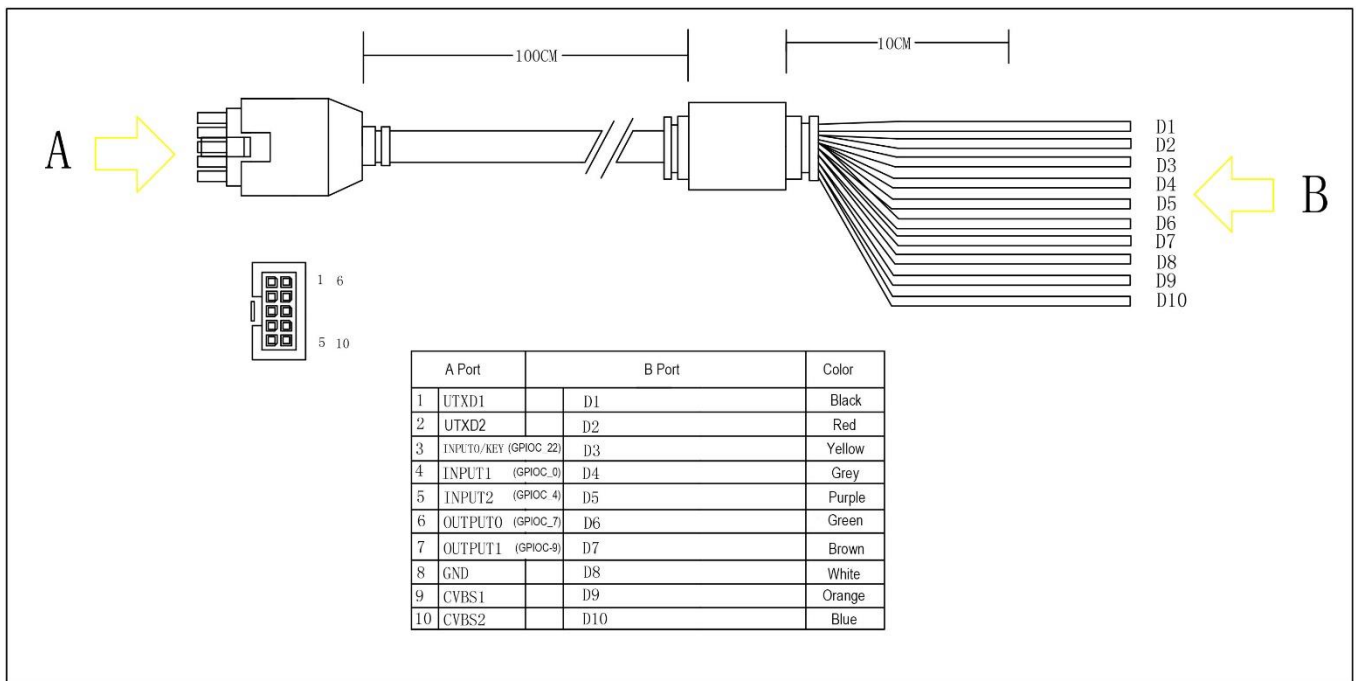
A		B		C		D		
1	B-	1	UTXD1	COM7	1	USB D+	1	USB D+/UTXD0 /LINEINL
2	B+	2	URXD1		2	USB D-		COM5
3	ACC	3	INPUT0/KEY	GP101_14	3	USB 5V	3	
4	GND	4	INPUT1	GP101_10	4	GND		4
5	TXD1	COM2	5	INPUT2	GP101_22			
6	RXD1		6	OUTPUT0	GP101_7			
7	GND	7	OUTPUT1	GP101_23				
8	TXD2	COM4	8	GND				
9	RXD2		9	CVBS1				
10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

W7 interfaces

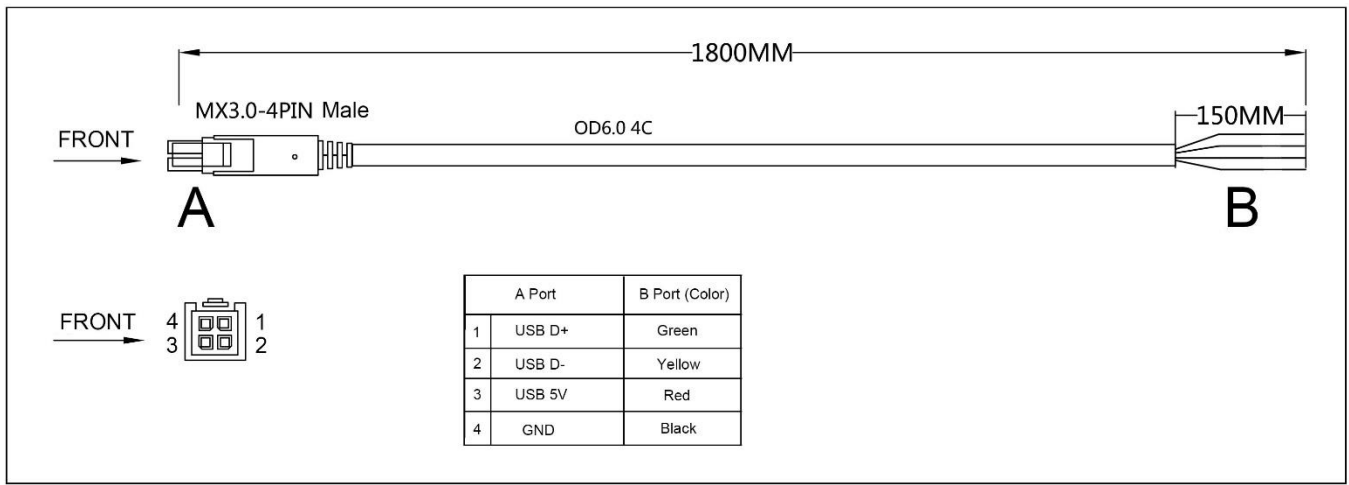
2. Harness A:



3. Harness B:



4. Harness C:



5. E PORT Pin Assignment

