

# Quad-core 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 OS

### Memory

DDR3 2GB

EMMC 8GB Bit

### 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 OTG

## 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  
LTE module(optional)

MU709 900 MHz/1800 MHz/1900 MHz/2100MHz (default)  
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



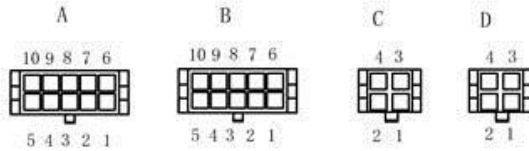
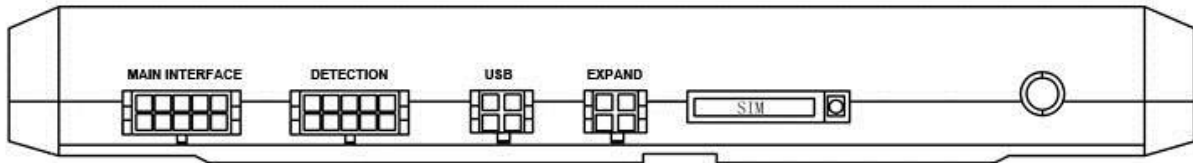




## Two Solutions for Connection

### 1. A, B C, D Harnesses Pin Assignment

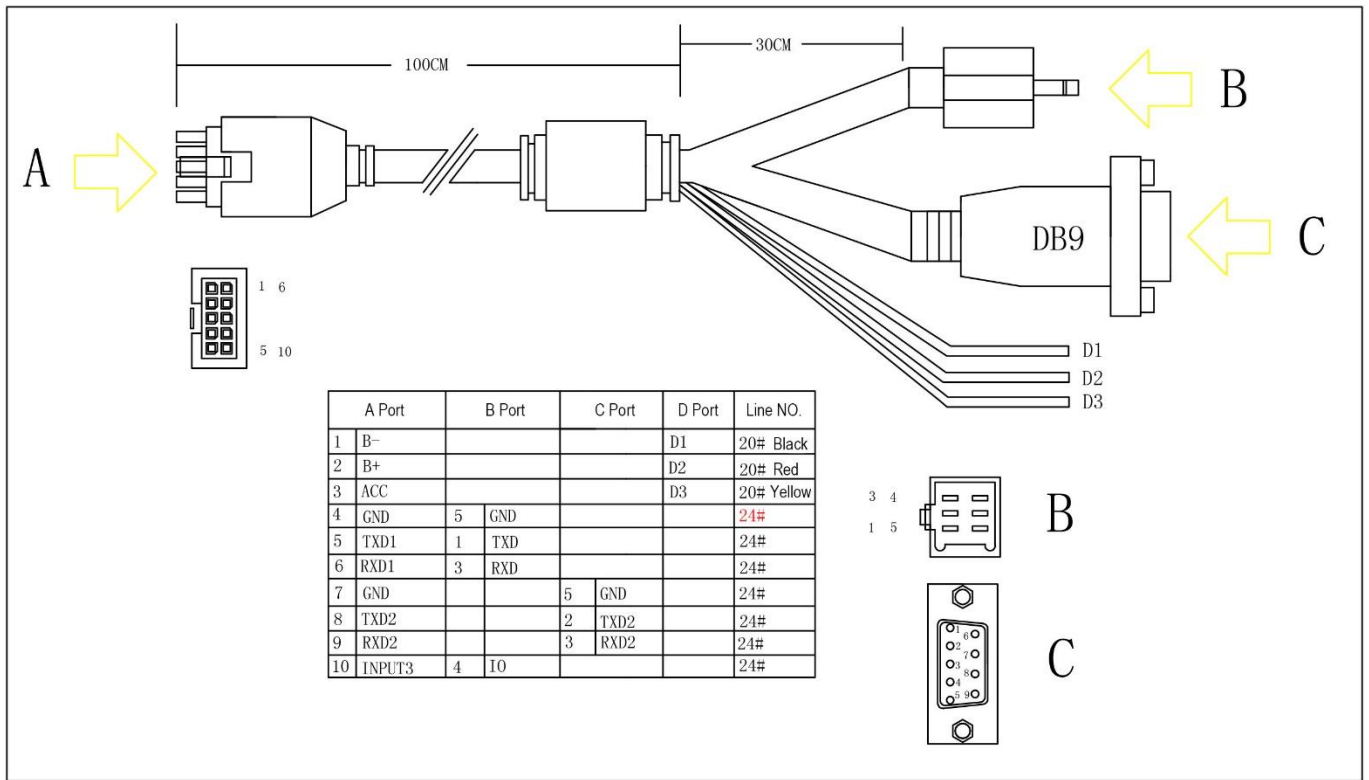
Please choose what interfaces you want, we will make new extension lines for you.



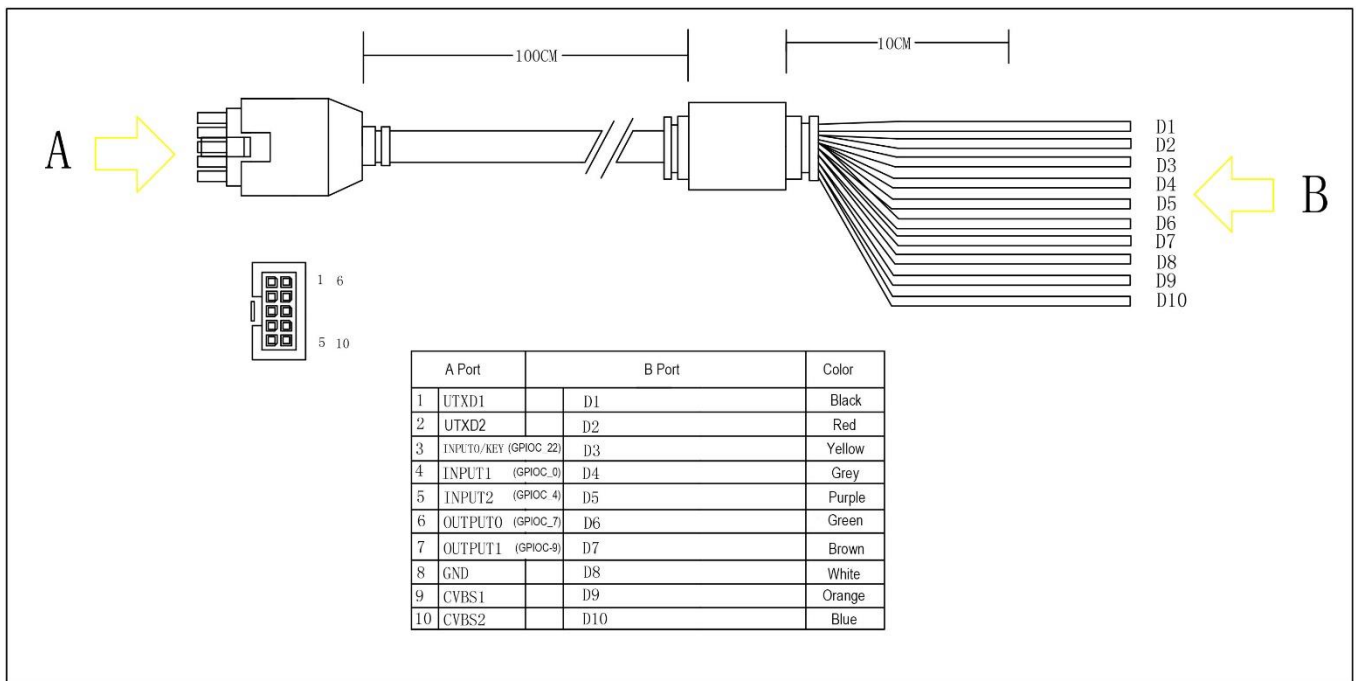
A		B		C		D		
1	B-	1	UTXD1	COM7	1	USB D+	1	USB D+/UTXD0 /LINEINL
2	B+	2	URXD1		2	USB D-		COM5
3	ACC	3	INPUT0/KEY	GP101_14	3	USB 5V	3	
4	GND	4	INPUT1	GP101_10	4	GND		4
5	TXD1	COM2	5	INPUT2	GP101_22			
6	RXD1		6	OUTPUT0	GP101_7			
7	GND	7	OUTPUT1	GP101_23				
8	TXD2	COM4	8	GND				
9	RXD2		9	CVBS1				
10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

W7 interfaces

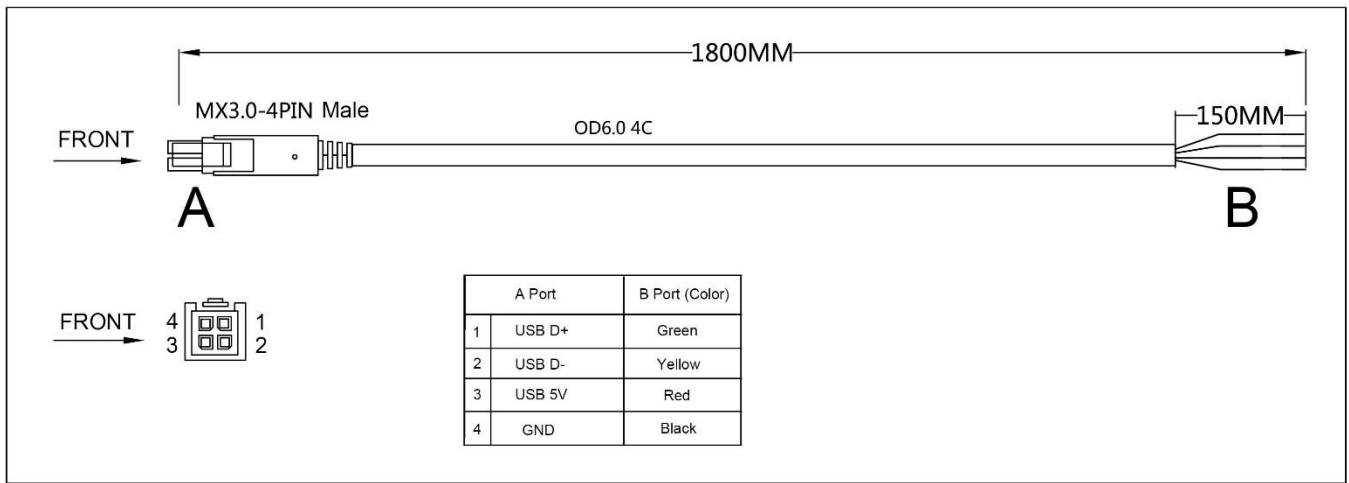
## 2. Harness A:



## 3. Harness B:



## 4. Harness C:



## 5. E PORT Pin Assignment

