

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



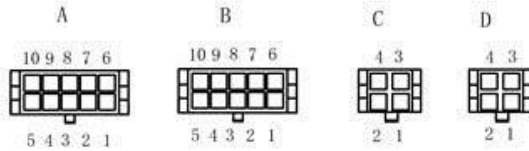
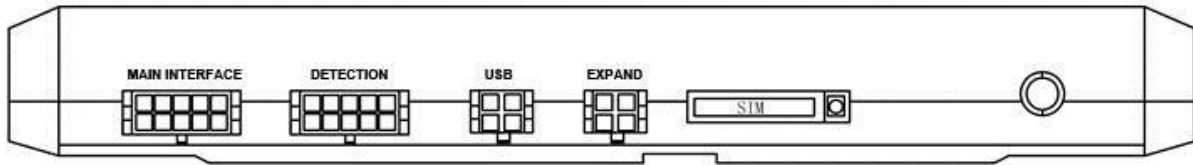




Two Solutions for Connection

1. A, B C, D Harnesses Pin Assignment

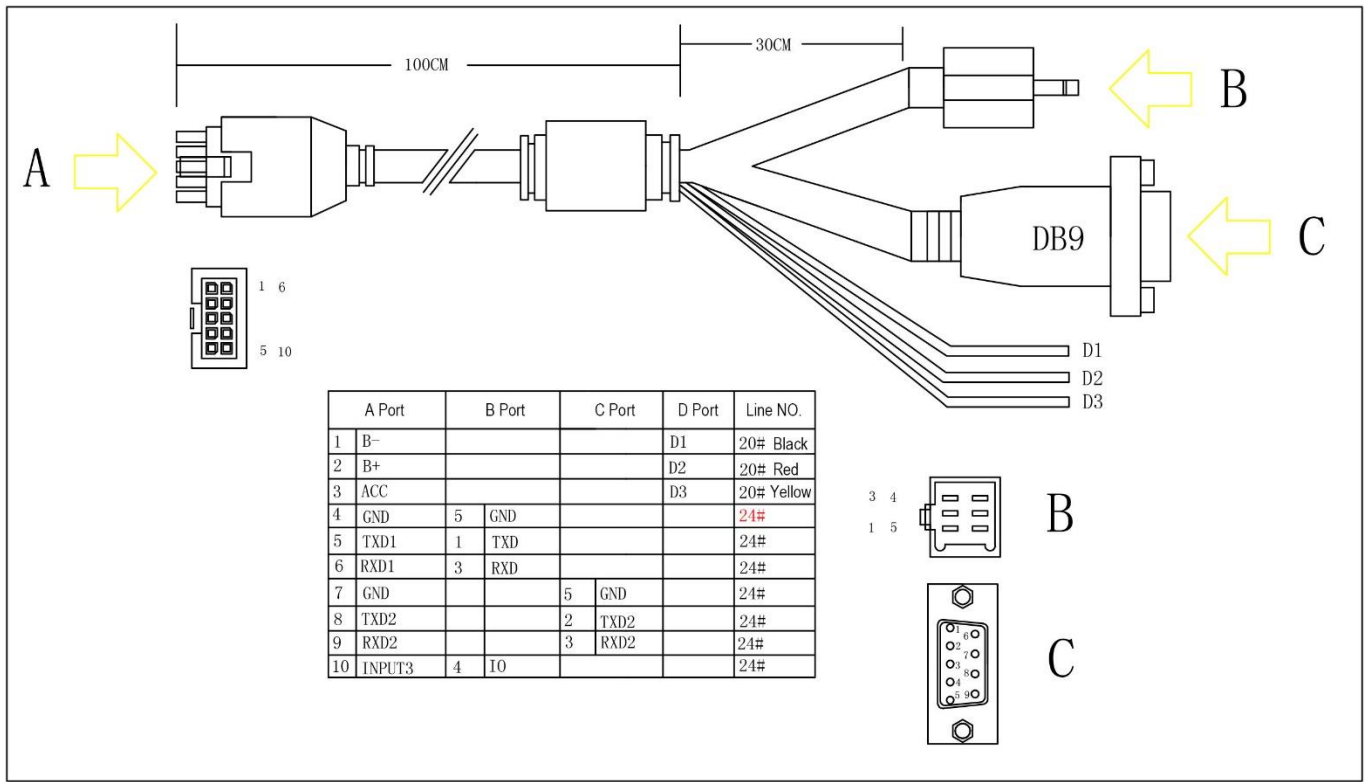
Please choose what interfaces you want, we will make new extension lines for you.



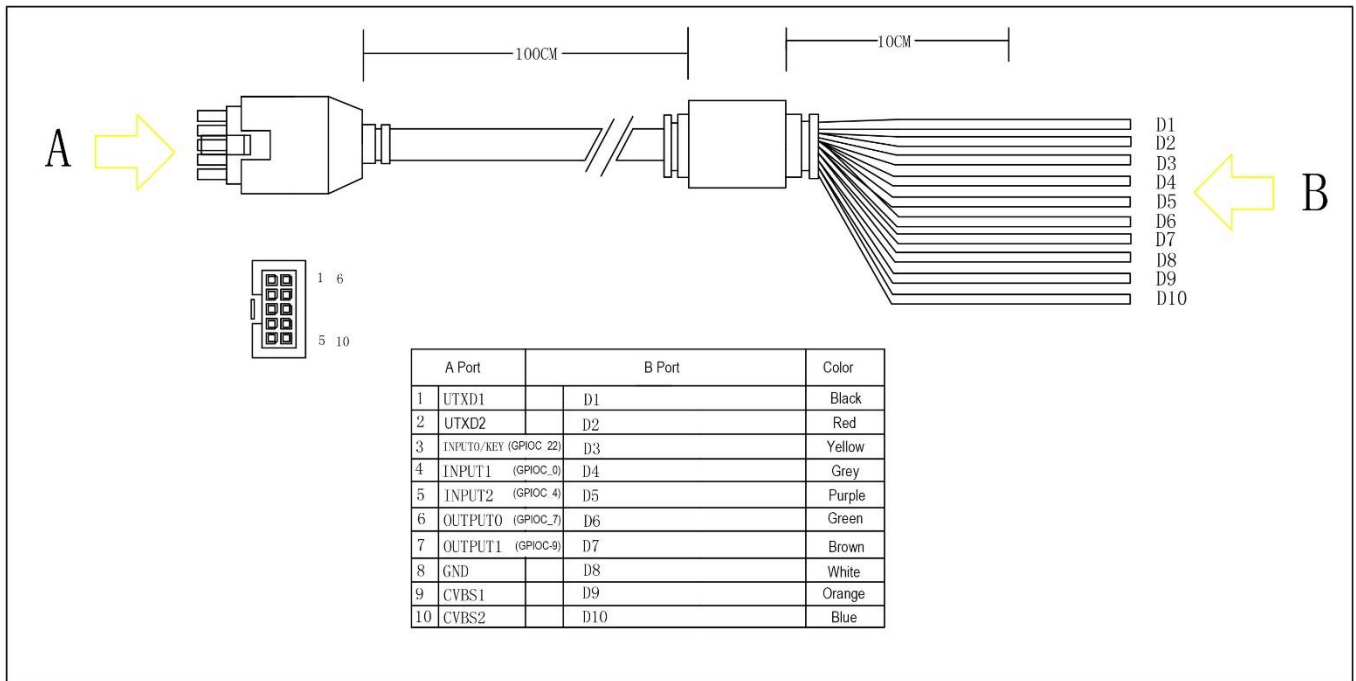
A		B		C		D		
1	B-	1	UTXD1	COM7	1	USB D+	COM5	
2	B+	2	URXD1		2	USB D-		
3	ACC	3	INPUT0/KEY	GP101_14	3	USB 5V	2	
4	GND	4	INPUT1	GP101_10	4	GND		
5	TXD1	COM2	5	INPUT2	GP101_22		3	USB 5V/MIC_P
6	RXD1		6	OUTPUT0	GP101_7		4	GND/MIC_N
7	GND	7	OUTPUT1	GP101_23				
8	TXD2	COM4	8	GND				
9	RXD2		9	CVBS1				
10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

W7 interfaces

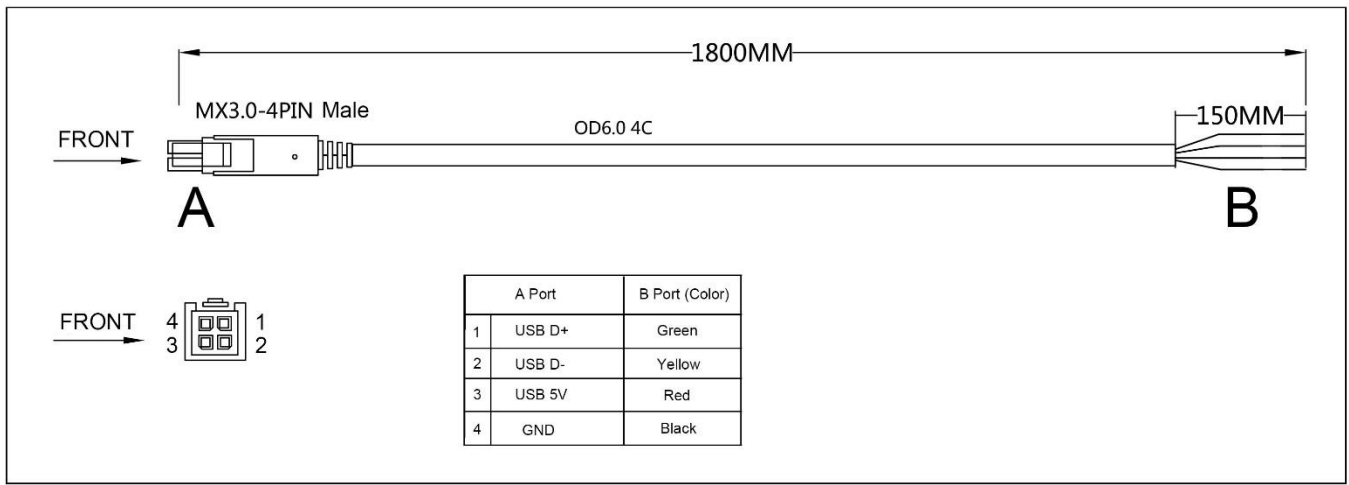
2. Harness A:



3. Harness B:



4. Harness C:



5. E PORT Pin Assignment

