

# Ruggedized In-vehicle Tablet User Guide

Model name: T100

Trademark: Hi-Target

Hardware version: V1.3

Software version: APPOLO-D01L01C00G01ENB190213

Manufacturers: Beijing CP Device Technology Co., Ltd.

Manufacturers: Room 401, Bldg 30, Wisdomland park, Natou Gate 2nd Rd, Nanshan District, Shenzhen, China 518052

BT&WIFI:

Bluetooth Version: V4.0

2.4G WIFI: 802.11b/g/n single-band radio

4G module:

FDD: B2/B4/B12

WCDMA: B2/B4/B5

GSM: 850/1900MHz

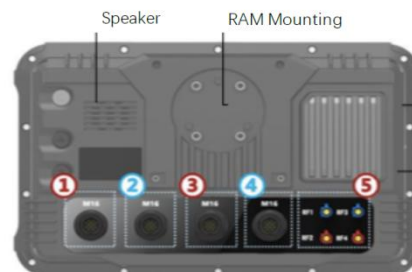
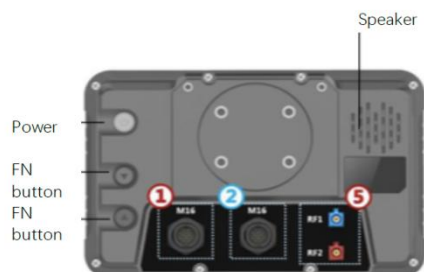


## T100 Series User Manual

### 1. Device Photo



750nits High  
brightness display



① Power supply(ACC, GND, B+)  
2\* RS232  
1\* CAN(J1939, ISO15765)  
1\*12V power output

② 1\* RS232/RS485  
1\* CAN(J1939, ISO15765)  
2\*CVBS Camera  
1\*12V power output

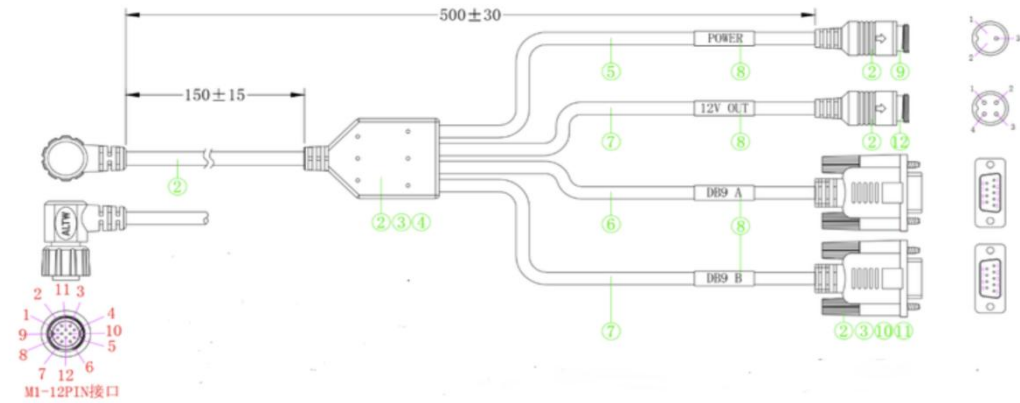
③ 1\*100M Ethernet  
2\*CVBS Camera

④ 1\*12V power output  
3\* IO  
1\* Audio lineout

⑤ GPS antenna  
4G antenna

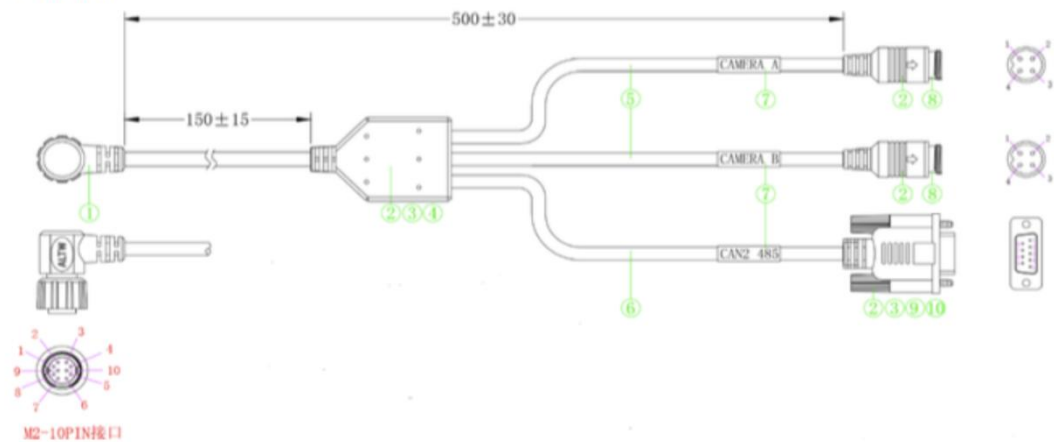
## 2. Cable definition

### 2.1 Port 1



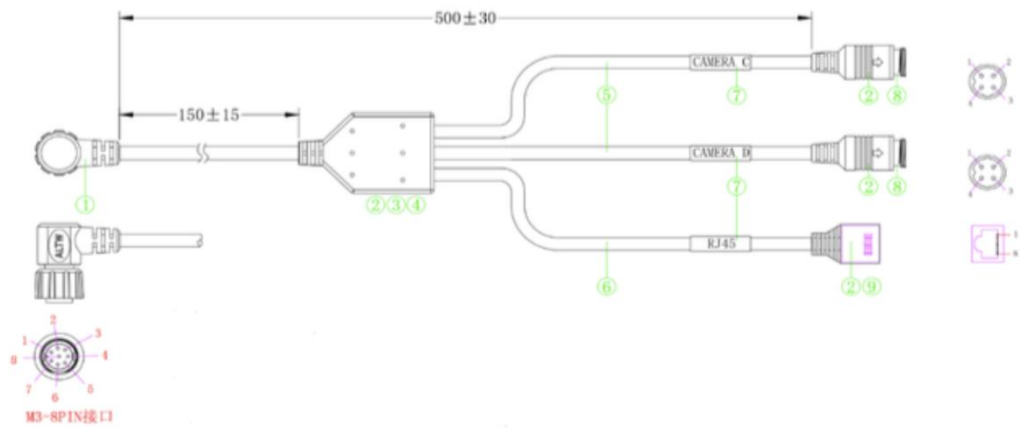
Amphenel 12 pin cable	Signal definition	DB9 male (A)	DB9 male(B)	M12 3P(POWER)	M12 4P (12V OUT)
1 Brown	TX2		3		
2 Blue	RX2		2		
3 White	B-		5	3	2
4 Green	ACC			1	
5 Yellow	B-	5		3	
6 Gray	TX1	3			
7 Pink	RX1	2			
8 Red	M1-12VOUT				1
9 Black	CAN2 H	9			
10 Orange	CAN2 L	6			
11 Purple	B+			2	
12 Light green	B+				

### 2.2 Port 2



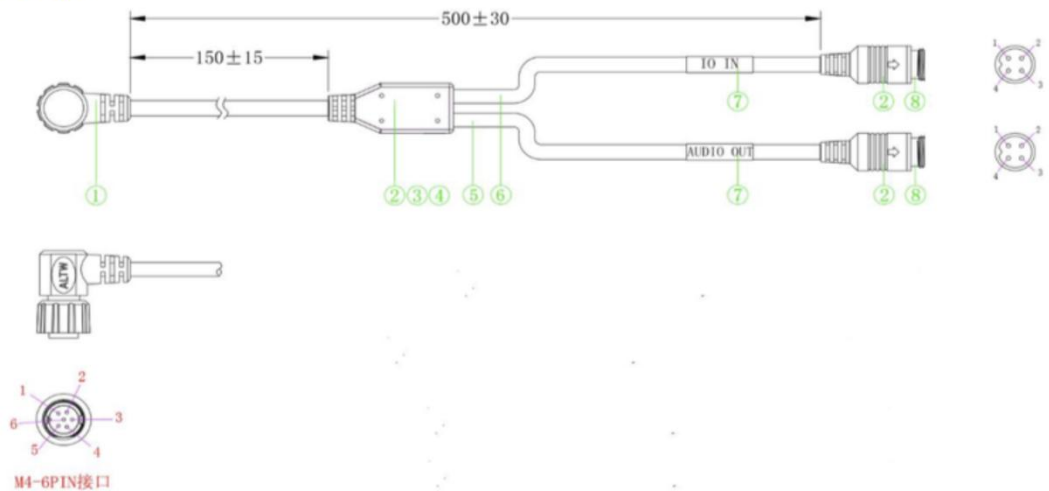
Amphenel 10 pin cable	Signal definition	M12 4P (Camera A)	M12 4P (Camera B)	DB9 Male(485)
1 Brown	CAN2 H			9
2 Blue	CAN2 L			6
3 White	GND	2		
4 Green	CVBS-12V	1		
5 Yellow	GND		2	5
6 Gray	CVBS-IN2	4		
7 Pink	CVBS-IN1		4	
8 Red	12V OUT		1	
9 Black	RS485 A			1
10 Orange	RS485 B			7

## 2.3 Port 3



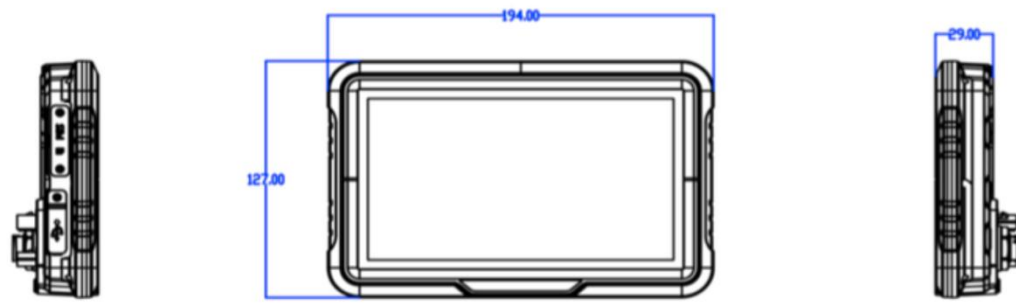
Amphenol 8 pin cable	Signal definition	M12 4P (Camera A)	M12 4P (Camera B)	DB9 Male(485)
1 Black	RJ45 TX+			1
2 Brown	RJ45 TX-			2
3 White	RJ45 RX+			3
4 Blue	RJ45 RX-			6
5 Red	GND	2	2	
6 Orange	CVBS-12V	1	1	
7 Yellow	CAMERA-3	4		
8 Green	CAMERA-2		4	

## 2.4 Port 4

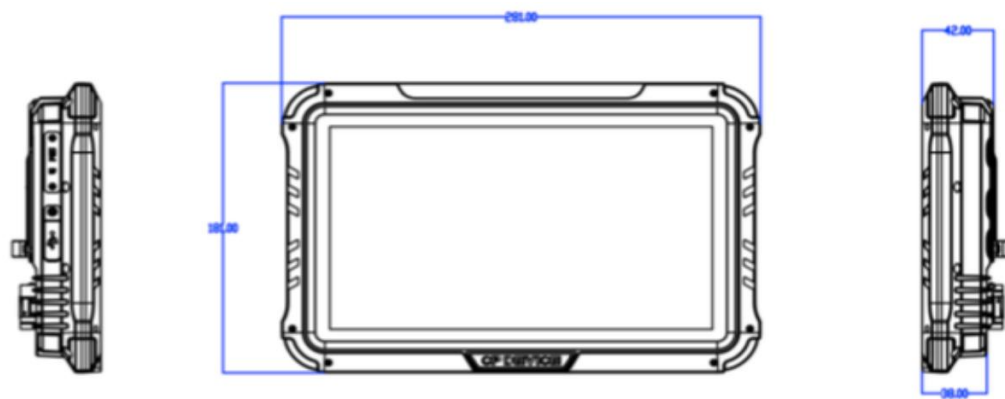


Amphenol 6 pin cable	Signal definition	M12 4P (Camera A)	M12 4P (Camera B)	DB9 Male(485)
1 Blue	MCU IN1	3		24awg Yellow
2 Green	MCU IN2		3	24awg White
3 Yellow	12V OUT1	1		24awg Red
4 Orange	Audio-lineout		4	24awg Yellow
5 Red	12V OUT2		1	24awg Red
6 White	GND	2	2	24awg Black

### 3. Product Size and bracket installation



Apollo 7



T100

### 3.2 Product Installation



Use screw to lock the RAM on the backside of the APOLLO device, the other side of RAM could installed per customer requirement.

#### 4. Product packing list

APOLLO rugged in-vehicle tablet	1pc
External 4G antenna (Optional)	1pc
External GNSS antenna (Optional)	1pc
User manual	1pc



#### 5. Working environment

Working temperature:  $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$  Humidity: 0%~90%RH  
Storage temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$  Humidity: 30%~95%RH

#### 6. Attention

- 6.1 Pls do not store/use this device under flammable and explosive place.
- 6.2 Pls do not self repair this device, if need any service pls contact customer service.

## 7. FQA

Item	Question	Reason	Method
1	Can not power on	1. Power cable connection not good 2. ACC ignition wrong	1. Check power 1. Check ACC
2	Stop working during usage	Power cable loose contact	Plug and unplug power cable
3	USB device can not use	1. Loose contact 2. SW do not call related driver	1. Plug and unplug device 2. SW debugging
4	CAN device can not use	1. Loose contact 2. If CAN rate the same?	1. Plug and unplug 2. Set same CAN rate
5	RS232 can not use	1. Loose contact 2. If baud rate the same?	1. Plug and unplug 2. Set same baud rate

**FCC Warning**

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 40cm between the radiator and your body.