



Introduction

T8Pro is a robust and durable vehicle mount computer, which is suitable for various vehicles to work in complex and harsh environments.

T8Pro adopts Qualcomm QCM6125 processor, 8-core 64-bit with 2.0GHz, has powerful CPU and GPU capabilities. It can provide 4-channel simultaneous video recording function to generate 4 video files.

T8Pro supports DISPLAY PORT interface, can realize dual-screen different display, and supports optional RTK GNSS module to realize RTK centimeter-level positioning and navigation to meet the needs of automatic or semi-automatic driving for agricultural, engineering or mining vehicles.

Features

- Qualcomm high-performance 64-bit processor, QCM6125, up to 2.0GHz
- Supports 8GB+128GB memory configuration to meet the needs of high-performance scenarios
- Support 4-channel 720P camera video recording at the same time
- Support DISPLAY PORT interface, can realize dual-screen different display
- Support RTK high-precision centimeter-level positioning
- Support 9-36V power input, ISO7637-II vehicle power supply standard
- IP66 protection grade to meet the needs of complex and harsh working environment

Application

Suitable for commercial vehicles such as agricultural tractors, excavators, cargo and transport trucks, engineering cranes, autonomous mining trucks, large trucks, buses, and taxi-hailing vehicles.

Specifications

LCD	
Type	IPS screen
Size	8"
Resolution	1280x800
Brightness	>=500 CD/M2 (optional >=750 CD/M2)
View Angle	>=170 degrees
Touchscreen	Full lamination, multi-touch
System	
Processor	64-bit 8-core processor, Qualcomm QCM6125, Kryo260CPU+Adreno 610GPU, frequency 2.0GHz
Memory	4GB LPDDR4
Storage	64GB EMMC
OS	Android 11 /Android 13
RF Communication	
WIFI	dual-band WIFI, 2.4&5GHz, 802.11a/b/g/n/ac
BT	BT5.1
GNSS	Qualcomm built-in GNSS module
High Precision Positioning	Support RTK module UM982 (optional)
4G LTE	For Europe/India/Korea/South Asia/Latin America/Australia/South Africa LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8 GSM: 850/900/1800/1900 MHz

Port	
Port	Power button x1
	USBC port x1 (for software debugging)
	USB Host A port x1
	TF Card x1
	Nano SIM Card x1
	TNC antenna port x2 (for external high-precision GNSS positioning antenna)
Function Extension	SMA antenna port x1 (for external LTE communication antenna)
	DP connector x1 (for connecting DP display)
	23PIN connector x1 (function extension interface)
	Default function: 1*CAMERA+1*CAN+2*Speaker+1*Headphone+1*Microphone+100Mbps Ethernet
	Combo 1 function: 4*CAMERA+2*CAN+2*RS232+1*USB 2.0
	Combo 2 function: 4*CAMERA+2*CAN+1*RS485+1*USB 2.0+2*GPIO_INPUT
Physical	
Power	9 ~ 36VDC (ISO 7637-II)
Dimensions	227x159.5x48 mm
Environment	
Vibration	MIL-STD-810
Impact	ISO16750
Humidity	95%, non-condensing
Working Temperature	-20°C ~ +70°C
IP Rating	IP66

Dimensions & Connectors



*The default connector on the back is DP+23PIN+2*TNC+1*SMA, it can be customized