

T10Pro

10.1" Vehicle Mount Computer



Introduction

T10Pro is a sturdy and durable vehicle-mount computer with high performance, which is suitable for various vehicles to work in complex and harsh environments.

T10Pro adopts Qualcomm QCM6125 processor, 8-core 64-bit with 2.0GHz, and has powerful CPU and GPU capabilities. It can provide 4-channel CAMERA simultaneous video recording function to generate 4 video files.

T10Pro supports optional radio module and RTK module. In the absence of 4G network, it can use the built-in radio module to receive RTK correction data and realize RTK centimeter positioning and navigation which is suitable for autonomous driving application of agricultural machinery and engineering vehicles.

Features

- Qualcomm high performance 64-bit processor, QCM6125, up to 2.0GHz
- Support latest android system, ANDROID 13
- Default 4GB+64GB memory, supports up to 8GB+128GB memory
- Full lamination process, multi-touch, 10.1", 1280x800, brightness \geq 500 CD/M2, IPS screen, the view angle is greater than 170 degrees
- Support 4-channel 720P camera video recording simultaneously
- Support RTK high-precision centimeter-level positioning
- Optional RADIO module for receiving RTK correction data
- Support 9-36V power input, support 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	10.1"
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
GPU	AdrenoTM 610 @ 950 MHz, support OpenGL® ES 3.2, DirectX® 12, OpenCL™ 2.0 Full, Vulkan® 1.1
DSP	Qualcomm® Hexagon™ Processor, 1TOPS
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 (optional)
High Precision Positioning	Support UNICORE UM482 or UM982 RTK module (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
Radio	Harxon 1022D, frequency 410-470MHz (optional)

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)
Port	SMA antenna port x1 (for external LTE communication antenna)
	14PIN connector x1 (function extension interface)
	23PIN connector x1 (function extension interface)
Function Extension	Default configuration: 4*CAMERA+2*CAN+2*RS232+1*USB2.0
Physical	
Power	9 ~ 36VDC (ISO 7637-II)
Dimensions	275x190x47.5 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 14PIN+23PIN+2*TNC+1*SMA, it can be customized