



Introduction

T8 is a robust and durable vehicle mount computer, which is suitable for various vehicles to work in complex and harsh environments.

It supports automotive-grade 64-bit processor, Android OS, IP rating IP66. Moreover, by supporting the optional built-in centimeter RTK positioning module, T8 can meet the needs of automatic or semi-automatic driving of agricultural, engineering, construction and mining vehicles.

Features

- 64-bit vehicle chip, quad-core Cortex A53 @ 1.5GHz, passed AEC-Q100 test
- Support ANDROID 10 or LINUX + QT5 system
- Support RTK centimeter high-precision positioning function
- Max. to support 4 cameras of 720P that can be previewed simultaneously
- Max. to support 2 CAN networks, and the CAN rate can support 500kbps/250kbps
- Support Ethernet function and external handheld public network intercom function to meet the needs of fleet network operations
- Support 9- 36v power input, ISO7637-II power 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, 4-core Cortex A53@1.5GHz
Memory	2GB (optional 4GB)
Storage	16GB (optional 256GB)
OS	Android 10.0 (optional LINUX kernel+QT)
RF Communication	
WIFI	2.4G WiFi, IEEE802.11 b/g/n
BT	BT4.0 BLE
GNSS	GPS+BD module (optional)
High Precision Positioning	Support RTK module UM482 or UB482 (optional)
4G LTE	LTE for EU (Quectel EG25): LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 WCDMA: B1/B8 GSM/EDGE: B3/B8

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)
	SMA antenna port x1 (for external LTE communication antenna)
Function Extension	14PIN connector x1 (function extension interface)
	23PIN connector x1 (function extension interface)
	Default function: 4*CAMERA+2*CAN+2*RS232+1*100M Ethernet
	Combo 1 function: 2*CAMERA+1*CAN+1*RS485+1*100M Ethernet +Hand microphone intercom
	Combo 2 function: 1*CAN+3*RS232
	Combo 3 function: 4*CAMERA+2*CAN+2*RS232+1*USB
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 14PIN+23PIN+2*TNC+1*SMA, it can be customized