



Introduction

T7 is a sturdy and durable in-vehicle computer, which is suitable for various vehicles to work in complex and harsh environments.

T7 supports multiple definable buttons on the front, and can also support high-precision positioning.

Features

- 64-bit vehicle processor, quad-core Cortex A53 @ 1.5GHz, passed AEC-Q100 test
- Support ANDROID 10 or LINUX4.9+QT5 system
- Support RTK centimeter high-precision positioning function
- Up to support 2-channel 720P cameras can be previewed at the same time
- Up to support 1 CAN networks, and the CAN rate can support 500kbps/250kbps
- Support 9- 36V power input, ISO7637-II power standard
- IP66 protection grade to meet the needs of complex and harsh working environment

Application

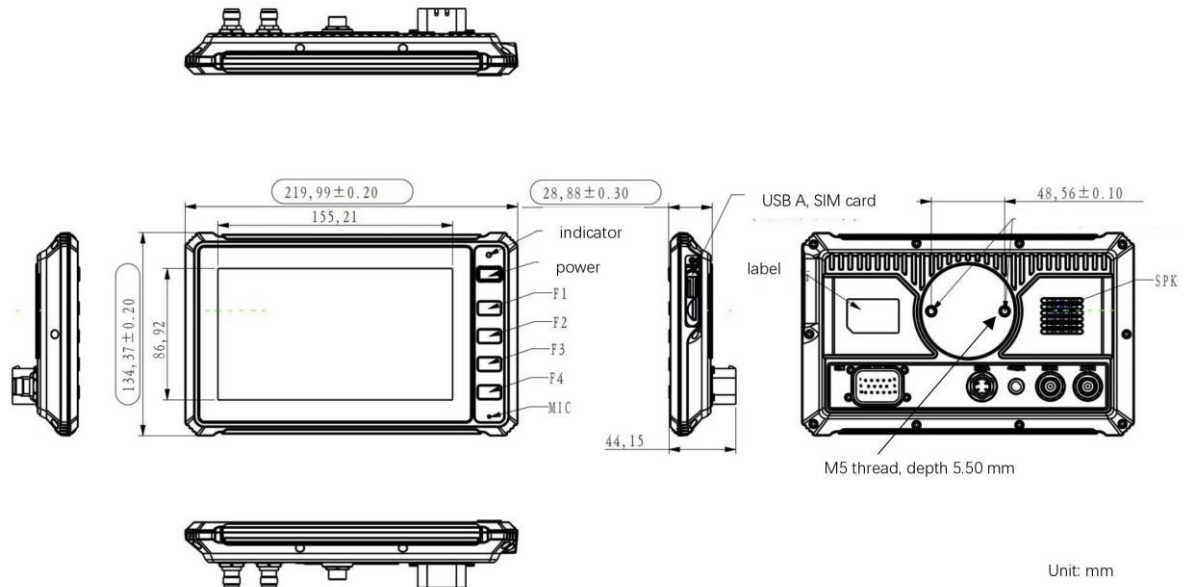
Suitable for commercial vehicles such as agricultural tractors, excavators, cargo and transport trucks, engineering cranes, autonomous mining trucks, large trucks, buses, and taxi-hailing vehicles.

Specifications

LCD	
Type	IPS screen
Size	7"
Resolution	1024x600
Brightness	>=500 CD/M2
View Angle	>=170 degrees
Touchscreen	Full lamination, multi-touch
System	
Processor	64-bit processor, quad-core Cortex A53, frequency 1.5GHz, passed AEC-Q100 test
Memory	2GB
Storage	16GB
OS	Android 10 or Linux4.9+QT5
RF Communication	
WIFI	2.4G WiFi, IEEE802.11 b/g/n
BT	BT4.0 BLE
GNSS	Support BDS B1I/B1C, GPS L1 C/A, GLO L1OF, Gal E1 frequency Support QZSS/SBAS Support BDS/GPS/GLONASS/GALILEO TTFF < 30 sec (Open sky) CEP < 2 m (Open sky) Cold start sensitivity: -147dbm
High Precision Positioning	Support UNICORE UM982 RTK module (optional)
4G LTE	LTE for EU (Quectel module 4G module) : LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 WCDMA: B1/B8 GSM/EDGE: B3/B8 LTE for China: LTE-FDD: B1/B3/B8 LTE-TDD: B38/B39/B40/B41

Port	
Port	Power button x5
	USB Host A port 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)
	14PIN connector x1 (function extension interface)
Physical	
Power	9 ~ 36VDC (ISO 7637-II)
Dimensions	220x134x29 mm (44.15mm at the highest point)
Environment	
Vibration	MIL-STD-810
Impact	ISO16750
Humidity	95%, non-condensing
Working Temperature	-20°C ~ +70°C
IP Rating	IP66

Dimensions



Connectors

