



## Size:

P300mini: 8" touchscreen, 220×150×34mm

P300plus: 10.1" touchscreen, 268×182×36mm

## Weight:

P300mini: 800g

P300plus: 1022g

## Features

Built-in Professional GNSS support full constellations

QUANTUM™ III Technology enhanced heading and positioning

Fully rugged design, IP66 dust and water proof

8"/10.1" high-definition color touchscreen display

Android-based operating system

One integrated front camera with support an optional rear camera

# P300 Series GNSS Tablet

## EXCELLENT TRACKING AND POSITIONING ABILITY

SinoGNSS P300 series GNSS tablet is integrated with a high-performance GNSS OEM board that can track GPS, BeiDou, BeiDou Global, GLONASS, Galileo, QZSS and reach centimeter-level accuracy. Using the advanced QUANTUM™ III technology in combination with upgraded SinoGNSS ASIC chip and advanced Microprocessor unit, the P300 series GNSS tablet is capable of providing enhanced heading and positioning performance for everyday field use.

## USER-FRIENDLY DESIGN

P300 Series offer 2 sized display 8"/ 10.1" in option, which let the user select the tablet that best fits current needs. Built on the Android operating system, the flexible platform integrates into operation seamlessly and is compatible with most Android apps. With high performance and competitive prices and rugged construction, it is a solid choice for deploying and managing your different applications.

## POWERFUL CONNECTIVITY AND WIDE APPLICABILITY.

With dual card dual standby, various interfaces, multiple wireless connections and data transmission modules, featured CAN, PPS and Event, the P300 series enhance your capabilities in precision agriculture, autonomous driving, machine control, and other industries. In addition to being an independent positioning device, it can also be integrated into other control systems and provide high-precision positioning data.

## RUGGED AND ENDURABLE DESIGN

Magnesium aluminum alloy shell and IP66 dust-proof and waterproof make P300 series fully-rugged. Industrial design enables P300 series to endure a wide working temperature range from -20 °C to 60 °C. As an industrial in-cab tablet, it meets demands in various conditions, perfectly and effectively works even in harsh environments.

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Ver.2022.05.06

## Signal tracking

GPS	L1, L2
BDS	B1I, B3I
BDS Global	B1C, B2b
GLONASS	G1, G2
Galileo	E1, E5b
QZSS	L1, L2

## System Specification

Operating System	Android 7.1
Processor	Qualcomm™ octa-core 64-bit ARM Cortex-A53™ processor 2.0GHZ
RAM	2GB(4G is optional)
ROM	16GB eMMC, support external USB storage (64G is optional)
Radio Module	U70 module, 410-470MHz full band(optional)
Bluetooth	Bluetooth 5.0
Audio	Built-in dual speakers and microphone
Camera	8 megapixels front camera, 16 megapixels rear camera(optional)

## Display

Size	P300mini: 8" touchscreen P300plus: 10.1" touchscreen
Resolution Rate	1280*800
Brightness	P300mini: 600cd/cm² P300plus: 500cd/cm²

## Electrical

Input power	5V-16V DC
Power consumption	<15W

## Connections

1 Type C port
3 USB port
1 TF card slot
1 Dual-SIM card slot
2 GNSS Antenna port
1 UHF Antenna port
1 4G antenna port
3 Lemo port(including RS232/RJ45/PPS/EVENT/CAN/USB)

## Physical

Size	P300mini: 220*150*34mm P300plus: 268*182*36mm
weight	P300mini: 800g P300plus: 1022g
Indicator light	1*power light, 2* satellite light, 1* data light
Panel buttons	1*power button, 2*Backlight adjustment button, 1*function button
Audio	Built-in dual speakers and microphone
Camera	Front 8 million pixels, rear 16 million pixels (optional)

## Environment

Water-proof and dust-proof	IP66
Shock and vibration	Designed to meet MIL-STD-810H
Humidity	100% no condensation
Working temperature	-20℃~60℃
Storage temperature	-40℃~85℃

## Accuracy

Time accuracy	20ns
Standalone	1.5m Horizontal 3.0m Vertical
Post processing	2.5mm+1ppm 5.0mm+1ppm
Velocity Accuracy	<0.02m/s
Azimuth	(0.2/R)°
Roll or pitch	(0.4/R)°
RTK	8mm+1pmm Horizontal 15mm+1pmm Vertical

## Data format

NMEA-0183	GPRMC, GPVTG, GPZDA etc.
CNB	ComNav Binary
CMR(GPS only)	CMROBS, CMRREF
RTCM2.X	RTCM1, RTCM3, RTCM9, RTCM1819, RTCM31, RTCM41, RTCM42
RTCM3.X	1004~1008, 1012, 1019, 1020, 1033, 1042, 1045/1046, 1230, 4078
MSM3-MSM7	1073~1077, 1083~1087, 1123~1127, 1093~1097
Data update rate	Up to 20 Hz

Specifications subject to change without notice.