

# Navigator 10

Navigator 10 is an enterprise and industry-recommended command & control platform, built to enable efficient operation of various types of vehicles and payloads.



With the Navigator 10 we have designed and developed a new modular platform, enabling us to deliver the next generation of scalable, budget friendly command & control systems, that allow integrators to scale. The Navigator 10 is especially suitable for field application in markets such as aviation, defense, or construction because of its capability to perform under extreme and ever-evolving environments.

The Navigator 10 is inspired by our market-leading Aeronav and it can be delivered in a standardized or customized version, and is easily extendable with your hardware and software requirements. The production version can be fully customized according to your specifications, including custom software, firmware, engraving, joystick configuration, and radio/control modules.

The Navigator 10 comes in a Microsoft Windows and Android version both featuring a 10 inch, 450 nits LCD capacitive touchscreen. For operation the platform offers 2x joysticks and 4 switches on the front-side, as well as a scroll wheel, 2x buttons and a joystick on the back - All joysticks and buttons can be changed on request allowing you complete freedom when it comes to design. The Navigator 10 has a 4GB memory and the Microsoft Windows version can be upgraded to 8gb. The Navigator 10 supports different communication methods such as WIFI, cellular, plus custom radio modules (see navbay).

## NavBay

The Navigator 10 supports our NavBay platform which is a modular Plug'n'Play solution that allows communication modules to be installed or switched with ease, enabling new communication methods using popular radios such as RJ45, Microhard, Doodle Labs, Silvus Technologies, and Persistent Systems.

# Technical specifications

Dimensions	
Weight (estimated/depending on final configuration):	1240 g
Size:	339.5 mm x 188.00 mm x 87.5 mm
Peripherals	USB-C, USB 2.0, Mini jack, Micro HDMI, Pogo pin, Radio attachment (NavBay support)
Interfaces / joysticks:	
Front	2x Joystick, 4x switch (configurable)
Right back	Scroll wheel, 2x buttons (configurable)
Left back	Joystick
Monitor	10 inch 1920x1200 450nits LCD
Touch Panel	Capacitive
Pen	Yes
Processor	
Android version	Qualcomm SDM632 (4* Kryo 250 Gold1.8GHz + 4*Kryo 250 Silver 1.8GHz, BigCores)
Windows version	Intel Appololake N3450
Operating systems / versions	Android 9.0 or Microsoft Windows 10.0
Memory	4 GB (Microsoft Windows version up to 8 GB)
Flash	64 GB
Communication	
WIFI	802.11 a/b/g/n/ac. 2.4GHz/5GHz
Network (Android version)	GSM:850/900/1800/1900 EVDO : BC0WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39 TDDLTE:Band38/Band39/Band40/Band41 FDDLTE:Band1/Band2/Band3/band4/band5/Band7/band8/band17/band20/band28
Network (Microsoft Windows version)	GSM:850/900/1800/1900 WCDMA: B1/B5/B8/B9 FDD-LTE: Band1/Band2/Band3/band4/band5/band 6/Band7/band8/band20
SIM Card (Android version)	Dual sim
SIM Card (Microsoft Windows version)	Nano Sim
T Card	Yes
Bluetooth	BT4.1
USB	Type C* 1 OTG USB3.0* 2 Type A
Power	
Battery	44.46Wh
Fast charge	Yes
Sensors / Input devices	
NFC	Yes
Fingerprint	Yes
G Sensor	Yes
Gyroscope	Yes
Light Sensor	Yes
GNSS (Android version)	uBlox
GNSS (Windows version)	GPS/GLONASS/Beidou/Galileo
High Accuracy GPS (Android version)	Yes
High Precision GNSS (Microsoft Windows version)	TBD
GPS Antenna	Patch Antenna
External GPS Antenna	Yes
HDMI	Yes