Aeronav

An adaptive ground control platform built on top of the military grade Panasonic Toughpad FZG1 for professional remote operation of various types of robotic solutions.

The Aeronav is a market-leading adaptive ground control platform for all types of robotic, drone, and remote control solutions. It is a versatile and mobile ground control station delivered with custom hardware, engraving and firmware built on top of the Panasonic Toughpad, the most reliable and military grade professional tablet.

The core of the Aeronav is the reliable Panasonic Toughpad, a professional tablet that helps drive efficiency and productivity in ways that were never previously possible. The Aeronav is capable of operating outdoors in various extreme and remote environments. The Aeronav is especially suitable for field application in markets such as aviation, defense, or construction for its capability to perform under exposure to extreme and ever-evolving environments.

The Aeronav is a well-proven, secure, and reliable solution which is easily extendable with your hardware and software requirements. Its production version can be delivered fully customized according to your specifications, including custom software, firmware, engraving, joystick configuration, and radio/control modules.

The Aeronav combined with the Panasonic Toughpad incorporates an 800cd/m^2 IPSα display. The capacitive 10-finger multi-touch display and digitizer pen makes it extremely user-friendly. The Aeronav runs on Windows 10 Pro, Windows 8, or Ubuntu and is equipped with the Intel® Core™ i5 Processor. It also be boasts of connectivity options to ensure data is available to the user whenever needed.

Before initiating the design and production of a customized Aeronav, we encourage our customers and partners to verify software, hardware, and business requirements by purchasing one or more Aeronav Dev kits.

The Aeronav Dev kit consists of a standardized Aeronav accompanied by our technical support, making it possible to evaluate your needs and make sure that your requirements have or can be met by our solution. The Dev kit comes with a Panasonic Toughpad, Microsoft Windows, and standard engraving, but with the ability to attach your desired hardware modules and install your software applications. If custom software needs to be developed, we can assist with sample code developed in Java and other languages by request.

Technical specifications

The Aeronav is combined with the Panasonic Toughpad, incorporating an 800cd/m^2 IPSα display. The capacitive 10-finger multi-touch display and digitizer pen makes it extremely user-friendly. The Aeronav runs on Windows 10 Pro, Windows 8, or Ubuntu and is equipped with the Intel® Core™ i5 Processor. It also benefits from connectivity options to ensure data is available to the user whenever needed.

Tablet peripherals	Wifi *
	Bluetooth *
	3G, 4G, LTE *
	USB connector **
	RJ45 Gigabit Ethernet **
Aeronav peripherals	HID
	2xUSB connectors
	PPM through topconnector *
	SBUS through topconnector *
	Microhard *
	RFD868X/RFD900X *
	TSLRS RC Link *
Accessories	Harness
	Extended battery

Aeronav Human Interface	
Front Joystick options (up to 4) *	OTTO Hall-effect, Castle style joystick IP68S
	Alps Potentiometer joystick
	ControlMEC Hatswitch
	Custom by customer requirement
Back side Options *	Alps Potentiometer joystick
	Custom by customer requirement
Top Panel options *	MON-ON Toggle switch
	Momentary Pushbutton with sealboot
	ON-OFF-ON Toggle switch
	ON-ON Toggle switch
	SAFETY ON-ON Toggle switch
	MON-OFF-ON Toggle switch
	MON-OFF-MON Toggle switch
	Potentiometer
	Custom by customer requirement

*) Optional (might increase leadtime)

**) Optional (might increase leadtime) + RJ45 and USB is not possible at the same time.

UAVComponents

Aeronav development kit

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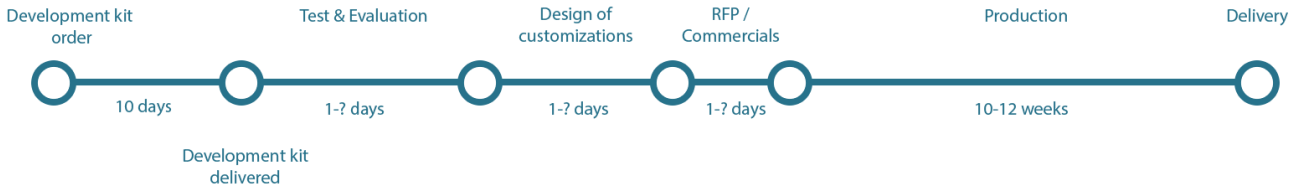
With an Aeronav Dev. kit you get a cost-effective standard Aeronav which enables you to gain experience on the prototype before you settle for a production version.

If custom software needs to be developed, we can assist with sample code developed in Java and other languages by request.

An effective process gets you from a vision to a complete customized ground control solution

Experience gained from delivering custom robotics solutions for more than 10 years and in-house development and production enables us to provide a streamlined process to take you from your vision to a final custom-tailored control station for your robotics solution.



Visit www.uavcomp.com

Technical specifications

Tablet peripherals	Wifi * Bluetooth * 3G, 4G, LTE * USB connector ** RJ45 Gigabit Ethernet **
Aeronav peripherals	HID 2xUSB connectors PPM throughtopconnector * SBUS throughtopconnector *
Accessories	AC charging adapter Normal capacity battery

Width:	40 cm / 15.75"
Length:	20 cm / 7.8"
Height:	6.5 cm / 2.55"
Weight:	1.2 kg

Aeronav Human Interface

Connection	USB HID device
Front joystick	Hall-effect, Castle style joystick IP68S positioned for each thumb
Back side joystick	Potentiometer joystick positioned for right index finger
Left front panel switches	A1: MON-ON Toggle switch A2: Momentary Pushbutton with sealboot A3: ON-OFF-ON Toggle switch
Right front panel switches	C1: ON-ON Toggle switch C2: SAFETY ON-ON Toggle switch C3: MON-OFF-ON Toggle switch

*) Optional (might increase leadtime)

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