



Rugged Display & Controller

Rugged Tactical Display For Developers

Your Platform In Every Hand

The RDC gives users a single device for unmanned system Command & Control, operating PTZ cameras, viewing sensor data, & more. Empower the warfighter with apps to leverage your platform at the highest level of effectiveness.

Drive Adoption Of Your Platform

- Develop an Android™ app to control your product, run your app on the MPU5, and put your app into action with the RDC.
- Reduce SWaP on the soldier by delivering control capabilities via software.

Build Your Products For The Battlefield

- More inputs than standard EUDs – all available via Android™ – give you more ways to control your app.
- Optimise app navigation with hot-keys and shortcuts to enable precise control in complexity of the battlefield.
- Eight high-precision integrated sensors let you leverage real-world information in real time via the Android™ sensor framework.

Developers Are Key To The Networked Battlefield

- Design your applications to succeed in the future – the networked battlefield – where every team member can interface with assets on a common network.

Simple App Integration

- Appears to Android™ as a USB Gamepad, enabling simple, standard user interface in your app.
- Wave Relay® MANET appears as a normal Ethernet network so apps can leverage MANET capabilities.
- Build your apps the same way you would for any other Android™ device - we do the hard part of designing the controller.

Specifications

Display Type	Thin-Film-Transistor Liquid Crystal Display (TFT).
Size	5.7 in. (14.5 cm).
Resolution	720 x 1280.
Aspect Ratio	9:16.
Orientation	Landscape & vertical.
Luminance	100% brightness = 429.72 nits. 75% brightness = 334.33 nits. 50% brightness = 215.87 nits. 25% brightness = 124.91 nits. 0% brightness = 12.00 nits.
Viewing Angle	± 80°.
Viewability	Direct sunlight viewable.
Contrast Ratio	900:1.
Backlight	Visible in sunlight.
Glass	2mm Gorilla® Glass.
Touchscreen	Projected Capacitive.
Camera	1 x 5MP Rear facing.
Joystick	2 x 2-Axis Joysticks.
Sensors	Accelerometer/Gyrometer, Compass, Temperature, Pressure, 2 x Light.
Buttons	14 Total buttons. Button spring force prevents unintentional activation by water pressure up to 20m.

Mouse Mode	Pressing the fn and A buttons simultaneously allows user to control cursor with left joystick and click with the A button.
Power Source	Powered by MPU5 – no additional battery required.
Power Consumption	0.47W (Screen off). 1.67W (100% brightness).
Dimensions	18.29 x 10.67 x 2.54 cm.
Weight	442 g.
Mounting	Includes Juggernaut Chest mount 1/4-20 threaded hole for tripod or other mounting system.
Interfaces	Connects to Dual PTT USB Port.
IP Rating	IP68.
Operating Temperature	-20° to +70°C .
Material	Aluminum.
Finish	Cerakote™
Colour	Flat Dark Earth.



[Rugged_Display_&_Controller_For_Developers_Datasheet_09_2020.pdf](#)

Technical Specifications quoted are verified but do not indicate the maximum performance limitations of the equipment. Specifications are subject to change without notice. E & OE Issue A.

