



## Rugged Display & Controller

### Rugged Tactical Display For Warfighters

#### You're Already Carrying The Computer - Now Connect The Display

An EUD for End Users – Your direct interface to the networked battlefield. Complete situational awareness is now at your fingertips. Connect the RDC to the MPU5 to enable Command & Control of unmanned systems, TAK operations, streaming HD video, Wave Relay® MANET configuration, and more.

#### Integrated, Low SWaP Solution

- Eliminate excess cabling.
- MPU5 functions as USB Hub - No external USB Hub required.
- Powered by the MPU5 - no external power, configuration, or commercial cell phone required.

#### Designed For The Battlefield

- Ruggedised, IP68 rated design allows you to take the RDC anywhere.
- Physical buttons for no-look operation.
- Developer-supported app optimisation.
- Discreet digital signature – no Bluetooth, WiFi, LTE, near-field communication, and location sharing/tagging.
- Includes Juggernaut chest mount.

#### Drive, Fly, & Leverage Any Asset

- Interact with assets on a common network – the Wave Relay® MANET.
- Run apps from Ecosystem Partners directly on the MPU5 and control them with the RDC.

#### Streamlined Configuration Management

- No phone rootkit or micro-SD cards makes configuring your kit simple and easy.
- MPU5-based network-wide app and firmware upgrades.
- Eliminate the recurring annual costs of commercial cell phones.
- Provision nodes quickly with the Rapid Configuration Tool (RCT).

# Specifications

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

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



## Rugged\_Display\_&\_Controller\_For\_Warfighters\_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.

