

# Mobile display with powerbank - Concept 3191



MilDef offers our customers complete realization of any product idea or concept within rugged electronics. Based on our long experience of designing and customizing products, our engineering team is ready to attack any technical problem thrown at them. A MilDef concept enables the possible implementation of customer specific requirements. Realization may involve NRE cost. This featured product is currently at a concept stage, contact us to further discuss your requirements.

## Mobile display with powerbank

This lightweight display brings you situational awareness in the field. The familiar USB-C connectors acts as video interface and lets you power other equipment from the internal powerbank.

## Military-relevant rugged design

MilDef products are designed to operate in extreme environmental conditions and challenging electromagnetic operational scenarios. Operationally proven, MilDef products are actively employed in military operations in over 60 countries.

## Guaranteed performance

MilDef products are designed for the long lifecycles of military programs and come with a lifetime support program to ensure your equipment maintains peak performance for many missions to come.

We also guarantee the availability of spare parts for an additional 5 years after product end-of-life.

## Features

- 7 inch display
- 1280 x 768 resolution
- 4400 mAh battery

## Options

- Molle mounting kit
- Dustproof USB-C connectors
- Magnesium chassis

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## Connector Interfaces

<b>USB1-USB3 (bottom)</b>	3 connectors which each has: <ul style="list-style-type: none"> <li>• 1x USB-C</li> </ul>
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## Other Interfaces

4x Button (top)
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## Technical Specification

<b>Battery capacity</b>	4400 mAh, 7.4 V, 33 Wh
<b>Button functionality</b>	Brightness Up/Down Blanking (All visible light turned off) Power On/Off
<b>Display luminance</b>	750 nits luminance
<b>Display resolution</b>	1280 x 768 resolution
<b>LCD module</b>	7 inch
<b>Optical response time</b>	40 ms response time
<b>Replaceable battery</b>	Service replaceably battery
<b>Power output</b>	Up to 100 W
<b>Chassis material</b>	Aluminum
<b>Coating and color</b>	Dupont AE0305-1101320 (RAL 1013)
<b>Cooling</b>	Passively cooled
<b>Dimensions</b>	187 x 135 x 35 mm (7.4 x 5.3 x 1.4 in) (WxHxD)
<b>Surface treatment chassis</b>	Chromit-Al
<b>Weight</b>	1 kg (2.2 lbs)
<b>CE</b>	Compliant

## Environmental Specification

<b>Fungus</b>	MIL-STD-810G, Method 508.6, Fungus 90 days
<b>High temperature - Operating</b>	MIL-STD-810G, method 501.5, Procedure II - Operation 49 °C (120 °F)
<b>High temperature - Storage</b>	MIL-STD-810G, Method 501.5, Procedure I - Storage 71 °C (160 °F)
<b>IP Class (Solid Particle Protection)</b>	IP Class 6X
<b>IP Class (Water)</b>	IP Class X5
<b>Low temperature - Operating</b>	MIL-STD-810G, method 502.5, Procedure II - Operation -20 °C (-4 °F)
<b>Low temperature - Storage</b>	MIL-STD-810G, method 502.5, Procedure I - Storage -40 °C (-40 °F)

## Vibration - Loose Cargo

MIL-STD-810G, Method 514.6,  
Procedure II - Loose cargo  
transportation, Category 5 - Truck/  
trailer - loose cargo

## EMC Specification

<b>EMI conducted CE101</b>	MIL-STD-461F Method: CE101
<b>EMI conducted CE102</b>	MIL-STD-461F, Method CE102 BASIC CURVE 10 kHz to 10 MHz
<b>EMI radiated RE101</b>	MIL-STD-461F 30kHz - 100kHz Navy
<b>EMI radiated RE102</b>	MIL-STD-461F Navy Mobile & Army 2 MHz - 18 GHz
<b>EMS conducted CS101</b>	MIL-STD-461F, Method CS101, conducted susceptibility, power leads. CURVE #1 30 Hz to 150 kHz
<b>EMS conducted CS114</b>	MIL-STD-461F Army, Ground 10 kHz - 200 MHz
<b>EMS conducted CS115</b>	MIL-STD-461F Conducted susceptibility, bulk cable injection, impulse excitation
<b>EMS conducted CS116</b>	MIL-STD-461F 10 kHz - 100 MHz
<b>EMS radiated RS103</b>	MIL-STD-461F Army 2 MHz - 1 GHz