

# Serval RD15-UXGA-03



## Rugged 15" Display

The roda Serval RD15 is available in different versions and can also be customized to your specification. The displays with and without touch screen, picture-in-picture (optional), as well as blackout light and NVIS functionality.

### roda Serval series

The roda Serval series allows operations at nearly all ambient conditions. The displays comes with robust aluminum housing and was especially designed for demanding environments. Customized mounting systems offer a wide range of applications. The remote power on interface allows decentralized installations of display and computer.

### Customizable

Are you looking for additional features and functions? MilDef specializes in customized solutions, to include change of connectors, chassis modifications, mounting solutions, etc. Contact your nearest MilDef Sales Office and we will help you tailor a solution to meet your exact requirements.

### 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

- 15" display
- 4:3 format
- Resistive touch (optional)
- Programmable function keys
- Picture-in-picture (optional)
- NVIS

# Serval RD15-UXGA-03

## Technical Specification

### Display

Display	15 " TFT LCD
Resolution (native)	1600 x 1200 pixel U(XGA)
Format	4:3
Colors	up to 16.7 million (8 bit/colour)
Viewing angle	Vertical: 160° Horizontal: 160°
Contrast	700:1
Luminance	Typical 800 cd/m <sup>2</sup>
Reaction time	25 ms (Ton+Toff)
Dimable Backlight	Yes (dimnable backlight to 0,37 cd/m <sup>2</sup> )

### Touchscreen

Resistive **optional**  
(military grade, usable with gloves)

### Buttons

- 8 programable function keys
- OSD menu keys in front panel
- Mousepad with right and left mouse button

### NVIS

NVIS compatible

### Picture in picture

PiP (SDI or FBAS) **optional**

### Interfaces\*

- 1x DC-In (integrated invisible mode)
- 3x USB 3.1
- 1x USB2.0
- 1x DP-DVI / combo\*\*
- 1x VGA
- 1x SDI Video-In or 1x FBAS Video-In (optional)

### Audio

2x Speaker

### Housing

Aluminum

### Color

Military green (RAL 6031)  
(other colors are available at request)

### Mounting

- Display mounting:
  - e.g. for vehicle installation
  - RD15B StandUnit

### Other

- Quick shut down the backlight
- Luminance of the display and keyboard dimmable separately
- Grounding bolt
- Traction Relief

## Technical Specification (cont.)

### Size & Weight

Dimensions (W x D x H)	351 x 300 x 57 mm (13.8 x 11.8 x 2.2 inch)
Weight	3.6 kg (7.9 lbs)

### Temperature Range

Operational	-31 °C to +63 °C (-24 °F to +145 °F)
Storage	-40°C to +85 °C (-40°F to + 185 °F)

### Reliability

MTBF (Ground Benign)	TBD
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### Power

Power input	16 - 32 VDC
Power consumption	< 30 W
Other	Delay power on/off (Press 5 sec)

### Standards

CE	Yes
REACH	Yes
Environment	MIL-STD-810F IP65 (front) / IP54 (rear)
EMC/EMI	MIL-STD-461E (Ground Navy) SDIP 27 Level B <b>optional</b>

### Warranty

Warranty	5 years
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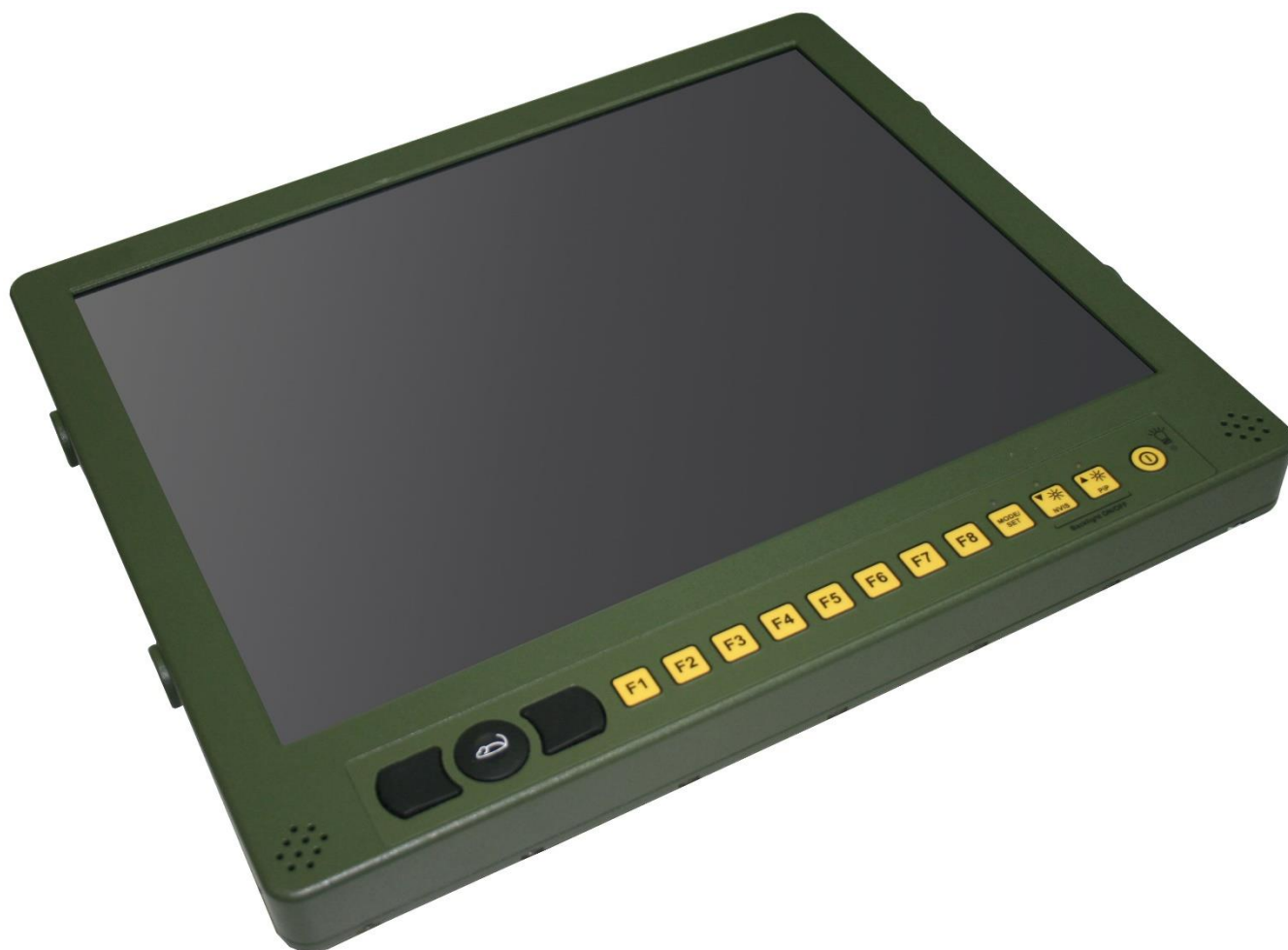
### Customization

Need anything not included in the data sheet? MilDef products are designed to enable customization to your specific program requirements. Please contact your MilDef sales team member to find the best solution for your requirements.

## Environment (MIL-STD-810F)

Method	Operating	Storage
<b>Altitude</b> 500.4 (Procedur I, II)	4572 m (15000 ft) 4572 m (15000 ft)	4572 m (15000 ft) 4572 m (15000 ft)
<b>Temperature</b> 501.4 & 502.4 (Procedur I, II)	-31 °C to +63 °C (-24 °F to +145 °F)	-40°C to +85 °C (-40°F to + 185 °F)
<b>Humidity</b> 517.4	30 °C to +60 °C, RH 95%	+30 °C to +60 °C, RH 95%
<b>Salt fog</b> 509.7 (Procedur I)	5 %, 35 °C	5 %, 35 °C
<b>Vibration</b> 515.5 (Cat.20)	5 - 500 Hz, 1 g	5 - 500 Hz, 1 g
<b>Shock / drop</b> 516.5 (Procedur I)	15 g, 11 ms	15 g, 11 ms

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*\*Other configurations possible at request.*

*\*\* All RD series displays support the remote function (RD-DVI). With remote function you can turn on the RD series display and the connected MilDef laptop by only pressing the power button of the display. Also USB device signals like keyboard and mouse, which are connected to the RD displays USB-port, will be send via the display signal to the MilDef laptop.*

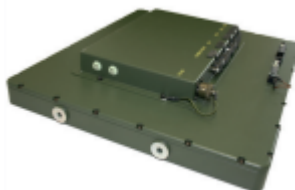
## Serval RD15 pictures



RD15-UXGA standard interfaces

RD15-UXGA rear sides

# Serval RD15-UXGA-03



RD15-UXGA with Stand Unit



RD15-UXGA vehicle installaion