# DENSiTRON

# UREADY 2RU ARM 1 ROW BUTTONS

## This universal touchscreen control surface is 2RU rack mountable, with an embedded ARM platform and Ethernet connectivity.

Tactile-touch is a Densitron proprietary technology* that provides the mechanical feeling of a button, combined with optical transparency, and interaction with a touchscreen display. Tactile control surfaces provide sensory feedback for operators, which touchscreens alone cannot easily do.

This category of human-machine interaction allows operators to not have to look at the spatial location of their fingers, thus freeing them up to look at the associated control and monitoring tasks.

The visible active area through the transparent button allows text, graphics, images, even video thumbnails to be seen. This version of the tactile control surface has a single-row of 18 buttons on the lower-third. The upper two-thirds is a display and touchscreen area for display and interaction.

The embedded ARM platform is Densitron's Aurora SBX™ single board computer based on NXP i.MX6 utilising Quad core ARM® Cortex-A9 2GHz. The embedded Aurora Software Ecosystem allows for rapid development of user's HMI applications.

UReady™

# UREADY 2RU ARM

# 1 ROW BUTTONS

## SKU: DM-163GN-MBYR01

Densitron 16.3" control surface with 18 buttons powered by ARM.

## DISPLAY

| Display size | 16.3" |
|---|---|
| Resolution | 1920 X 285 |
| Viewing Angle | 80/80/80/80 |
| Buttons | 18 |

Available with the following customisation options:
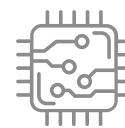
**Cover Lens Customisation**

## DIMENSIONS

| Width | 483.20mm |
|---|---|
| Height | 72.40mm |

**Optical Bonding**

## HMI

| HMI | Mechanical Touch |
|---|---|
| Touch Interface | Yes |

**X86 Available**

## MOUNTING AND CONNECTIVITY

| I/O | USB |
|---|---|
| Mechanical Mounting | Closed Frame |

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## COMPUTING

| | |
|---|---|
| Processor | NXP I.MX6 Quad core |
| Memory | 2 GB DDR3-1600 |
| Storage | Micro SD Card |
| Audio | Line-out(left/right channels) x 1, Mic-in x 1 |
| Inputs | x1 USB OTG and x2 User USB |
| I/O External | Ethernet: 10/100/1000 Mbps x 1. IEEE 802.3af<br>SD Cards (boot x1, storage x1)<br>12V DC IN Jack |

## PANEL

| | |
|---|---|
| Size | 16.3" TFT LCD |
| Pixels per inch | 119 |
| Brightness | 700 cd/m^2 |
| Contrast Ratio | 1000:1 |
| LED Backlight | 50,000 Hours |
| Power | 1 x 12V DC Input |
| Operating Temperature | 0°C ~ +50°C |

## TOUCH

| | |
|---|---|
| Type | Resistive |
| Fingers | Fingers Multiple touch >10 |

## OPERATING SYSTEM

| | |
|---|---|
| Embedded | Linux® BSP** |



**For the latest available BSP version please enquire with your sales representative or visit www.densitron.com

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