DENSITRON

UREADY 2RU ARM 3 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 three rows of 16 buttons.

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

CONTROL SURFACE

SKU: DM-163GN-MBYR04

Densitron 16.3" control surface with 54 buttons powered by ARM.

DISPLAY

Display size	16.3"
Resolution	1920 x 285
Viewing Angle	80/80/80/80
Buttons	54

DIMENSIONS

Width	483.20mm
Height	87.60mm

HMI

HMI	Mechanical Touch
Touch Interface	USB

MOUNTING AND CONNECTIVITY

I/O	Ethernet
Mechanical Mounting	Closed Frame

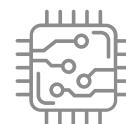Available with the following customisation options:

Cover Lens Customisation

Optical Bonding

Embedded solutions

Mechanical buttons

X86 Available

DENSITRON

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 SD Cards (boot x1, storage x1) 12V DC IN Jack

PANEL

Size	16.3" TFT LCD
Pixels per inch	119
Brightness	550 cd/m^2
Contrast Ratio	600
LED Backlight	50,000 Hours
Operating Temperature	0°C to +50°C

TOUCH

Type	Resistive
Fingers	Fingers Multiple touch > 5

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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