



DENSITRON

# TACTILA EVALUATION KIT

An innovative combination of a powerful ARM based computer and integral high resolution display providing a flexible graphical user interface paired with tactile rotary knobs.

Design your own fully functioning graphic user interface and combine it with innovative tactile faders and rotary knobs via the installed Aurora™ software ecosystem that utilizes industry standard Qt Creator.

The development kit comes with everything you need to create your proprietary control surface and test it the evaluation platform. All your designs can

be transferred to other TFT-Touchscreens offering similar pixel-sizes.

The provided demo software provides three examples of typical UIs. It is possible to develop fully working control surfaces for any application such as audio mixing consoles, audio and video controllers, lighting consoles, building- and home automation controllers, machine controllers and additional applications.

## HMI Tactile Evaluation Kit



Densitron's development platform with embedded computer, power adaptor, 3 rotary knobs, Starter Guide manual, and 3 out-of-the-box example demonstrations.

### DISPLAY

Display size	8.00"
Resolution	1600 x 480

Tailor components to your exact requirements with the following customisation options:

### DIMENSIONS

Width	289.60mm
Height	87.00mm
Depth	44.00mm



Cover Lens Customisation



Haptic Touch Option



Optical Bonding

### HMI

HMI	Tactile Rotary
Touch Interface	PCAP



Embedded Solutions

### COMPUTING

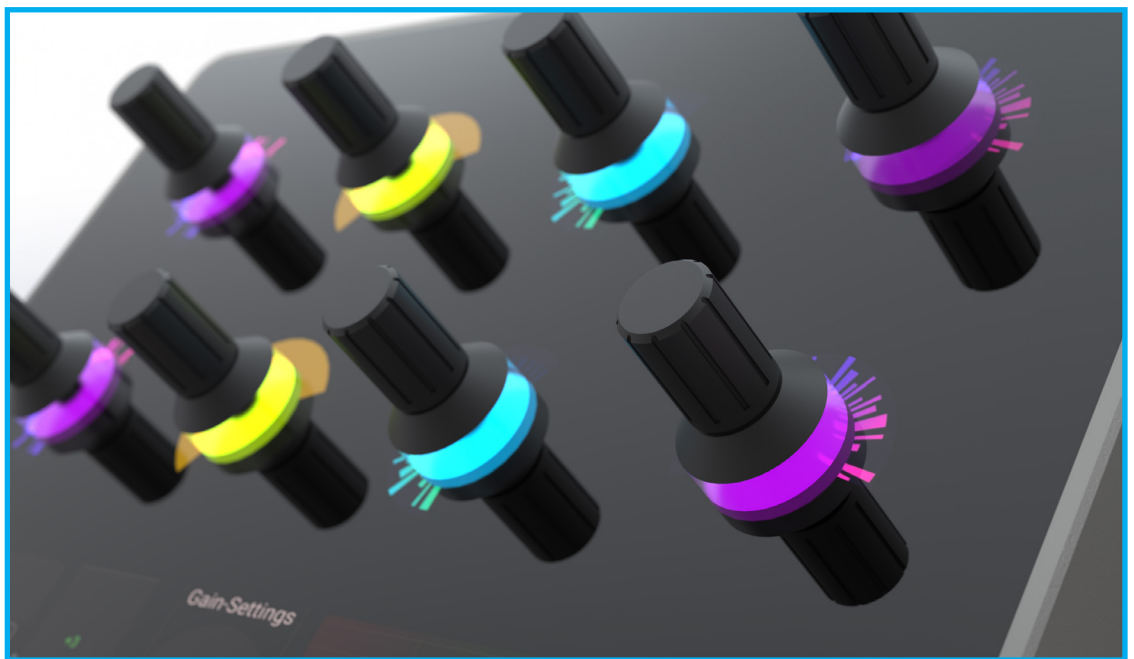
Compatibility	Aurora
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EMI & Noise Immunity

### MOUNTING AND CONNECTIVITY

Interface	Ethernet
Mechanical Mounting	Rack Product



## COMPUTER BOARD

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 x1
I/O (External)	x1 USB OTG & x2 User USB
	SD Cards 9boot x1, storage x1)
	Ethernet: 10/100/1000 Mbps x1. IEEE 802.3af
	5V DC IN Jack

## PANEL

Size	8" TFT LCD
Resolution	1600*480
Pixels per inch	208
Brightness	500 cd/m <sup>2</sup>

## TOUCH

Type	PCT
Knobs (Continuous Rotation)	x3
Fingers	Fingers Multiple touch >10

## O/S

Embedded	Linux®BSP**
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\*\*For the latest available BSP version please enquire with your sales representative or visit [www.densitron.com](http://www.densitron.com)