



## UReady™ 2RU Control Surface, Ethernet Connectivity, ARM Platform

Densitron's modular design of HMI control surface is suitable for applications in Broadcast, Telecommunications, and other networked control and monitoring systems.

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

The display has 1920 x 285 pixels and an optically bonded capacitive touchscreen providing optimum optical quality. The display features wide-angle symmetric viewing making it easier to be used in many operational applications.

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 APU paired with onboard DDR3 RAM provides the performance to support contemporary multi-media requirements, and rich User Interfaces.

The embedded Aurora Software Ecosystem (ASE) allows for rapid development of user's HMI applications.

### Product Features

- Packaged into a single **2RU 19"** rack metal chassis
- Ethernet LAN up to 1Gbps
- Single 12V power supply
- NXP i.MX6 Quad core APU - 4x ARM® Cortex®-A9 up to 1.0 GHz with 2GB RAM
- uSD card Embedded Linux BSP (Aurora ASE)
- Display resolution of **1920 x 285** pixels with 24-bit colour depth of 16.4M colours
- **800cd/m<sup>2</sup>** peak luminance and adjustable backlight
- Utilising MVA technology which offers **89/89/89/89** symmetric viewing
- These TFT modules are designed to operate continuously with backlight half-life of **50k** hours and a temperature range of **0°C to +50°C**
- UReady family offers optically bonded Projected Capacitive Touch (PCT) as standard
- "Out-of-the-box" development environment in virtual machine with Qt library Open Source (ASE), allowing cross compiling for faster development (supplied on 32GB USB dongle)
- Browser application (Firefox or Chromium) for rapid deployment of existing UIs and server-side functionality



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Preliminary specifications; subject to change without notice

Component	Function	Value
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 x 1
		x1 USB OTG and x2 User USB
	I/O (External)	SD Cards (boot x1, storage x1)
		Ethernet: 10/100/1000 Mbps x 1. IEEE 802.3af
		12V DC IN Jack
Panel	Size	16.3" 2RU
	Resolution	1920*285
	Pixels per inch	119
	Brightness	800 cd/m <sup>2</sup>
Touch	Type	PCT
	Fingers	Multiple touch >5
O/S	Embedded	Linux® BSP**



**UReady™ 2RU Control Surface,  
Ethernet Connectivity,  
ARM Platform**

Size	Part Number	Description
16.3"	DM-163GN-MBYR03	2RU control surface powered with ARM

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

**UReady™**

Contact your local sales office at [www.densitron.com](http://www.densitron.com)

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