



Cosworth's CDU is a fully configurable, compact, lightweight, sunlight viewable TFT display; designed specifically for professional racing applications. The CDU 4.3 incorporates a high resolution, sunlight viewable 900nit, 480x272 QVGA, 16M colour 4.3" TFT display, with the CDU 7 incorporating a viewable 2000nit, 800 x 400 QVGA 7" TFT display. Together with 16 fully configurable RGB LEDs, all controlled via Ethernet from a range of Cosworth data loggers and ECUs.

DISPLAY

The CDU is lightweight display unit and is available in 4.3" and 7" display sizes. The display sizes are designed to meet the different requirements that are needed in professional motorsport.

The CDU 4.3 has a sunlight viewable 480x272 QVGA colour TFT display, while the CDU 7 incorporates a high resolution, sunlight viewable 2000nit, 800 x 400 QVGA, 16M colour 7.0" TFT display.

The CDU can be viewed from a wide range of angles, with super bright, configurable RGB LEDs used for clear shift lights and driver alarms. LED and TFT brightness levels may be separately controlled, with the software allowing a selectable day/night mode, supporting a wide range suitable for night racing and full sun applications.

Additional RPM and/or alarm alerts are available with 16 completely configurable tri-colour LEDs.

SOFTWARE

Create custom template designs featuring text, images, gauges and graphical or text alarms using the free, powerful, display editing feature in Toolset.

Apply templates to create up to 32 display pages of information, plus use overlay pages to show rich graphical alerts to the driver.

The CDU is controlled via Ethernet from a single configuration file as part of a data logger or ECU setup.

OPERATING

12V or 24V systems are compatible with the CDU, while the voltage operating range is 6V-33V on the CDU 4.3 and 7V-33V on the CDU 7.

A Lemo connector allows for easy installation and cable routing in even the smallest of spaces.

PHYSICAL

The ultra slim and lightweight aluminium case is designed for front or rear panel mounting and features a low profile.

Multiple displays can be daisy chained together and configured to display independent custom pages controlled from a single Cosworth data logger or ECU.

This is ideally suited for sports which require shared displays within a car e.g. rally driver and co-driver display.

The CDU is compact and lightweight, making it the ideal display unit within a limited space area.

The CDU 4.3 has a footprint of 83 x 16 x 128 mm and weight of 230g, while the CDU 7 is 116 x 24 x 190 mm.

CDU FEATURE MATRIX

		CDU	
Variant		4.3	7
Part Number			
Display	Screen Size	4.3" TFT	7" TFT
	Resolution	480 x 272	800 x 480
	Brightness (NIT)	900	2,000
	Contrast Ratio	500	
	Viewing Angle	±50°Hor / ±40°Vert	±50°Hor / ±40°Vert
	Viewable Area (mm)	94.04 x 53.85	154.08 x 85.92
	Display Colours	16.7M	
	RGB LEDs	16	
I/O	Supply Voltage	6 - 33	7 - 33
	Supply Current	440mA	1128mA
	Ethernet Ports	2 x 100MB	
Physical	Weight (g)	230	590
	Dimensions (mm)	83 x 16 x 128	83 x 16 x 128



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