

COSWORTH

Colour Displays

CDU 4.3

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CDU 4.3

Overview

- 4.3" TFT Display
- Fully configurable display
- Fully configurable RGB LEDs
- Ultra slim aluminium casing

The CDU 4.3 is a fully configurable, compact, lightweight, sunlight viewable TFT display; designed specifically for professional racing applications.

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.



Multiple displays may be daisy chained together and configured to display independent custom pages controlled from a single Cosworth data logger or ECU, e.g. rally driver and co-driver display.

The ultra slim aluminium chassis measuring only 19mm thick is designed for front or rear panel mounting and features a low profile Lemo connector to for easy installation and cable routing in even the smallest of spaces.

Electrical Data	
Operating Voltage	6 to 33V
Current Consumption ^(max)	440mA @ 13.8V
Communication	
Ethernet	2x 100MB/S
Mechanical Data	
Size	128.0 x 83.0 x 16.0 mm
Weight	230 grams
Environmental	IP65
Material	6802-T2 Anodized
Vibration	Cosworth DV-V (C)
Operating Internal Temp	-20°C to + 70°C
Storage Temp	-30°C to + 80°C


Display Data	
Screen	α-Si TFT LCD 4.3"
Resolution	480 x 272 QVGA
Viewable Area	94.04 x 53.85mm
Contrast Ratio	500
Brightness	900 nit
Display Colours	16.7M
Viewable Angle	D70° U40° L&R 50°
LEDs	16 x RGB LEDs

Ordering Information

Description	Part Number
CDU 4.3 Display	01D-640030
CDU 4.3 Bench Loom	60D-640037

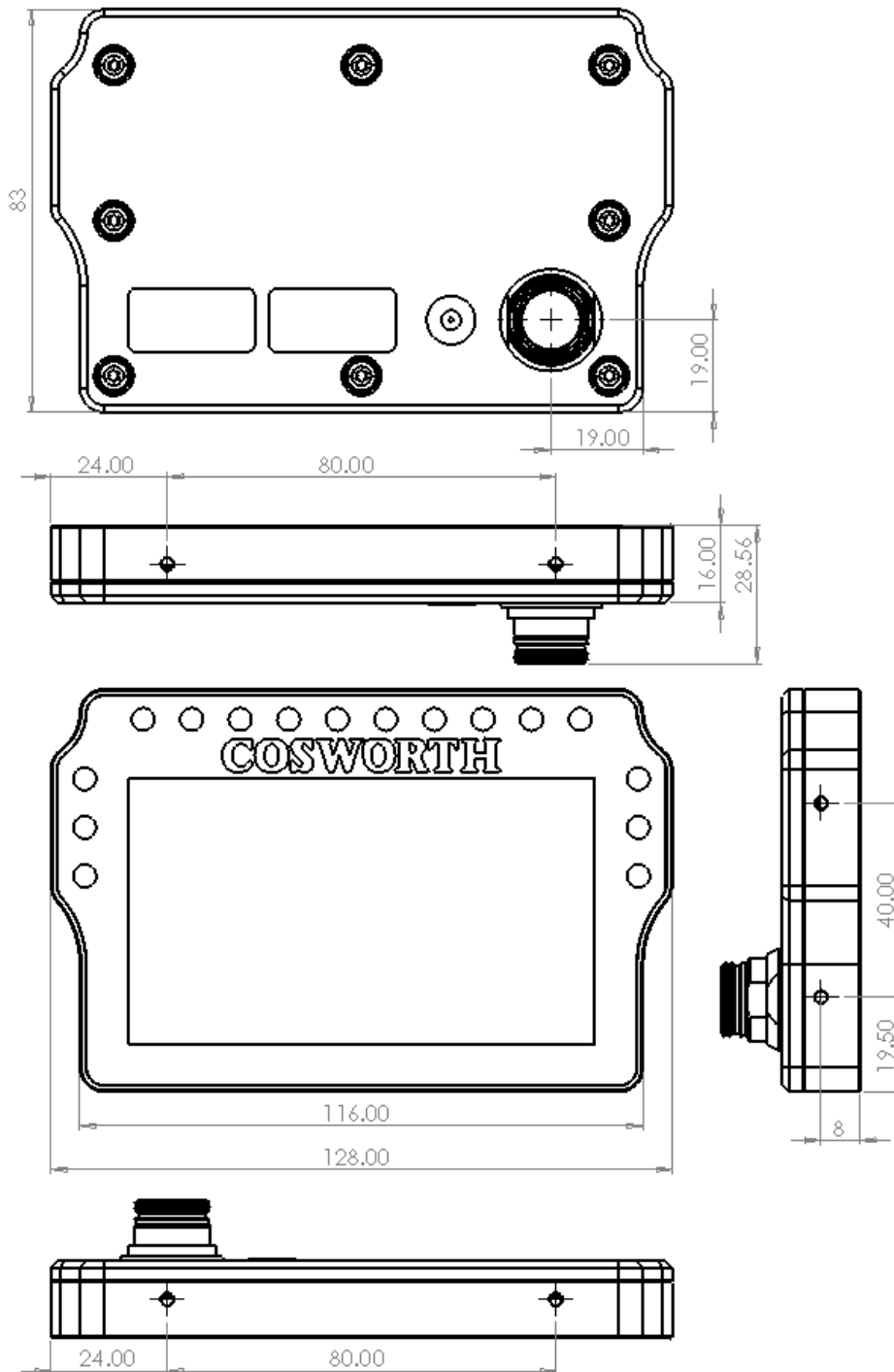
Compatible Devices

Compatible Devices	
Badenia 2	01L-650100
Badenia 5	01L-650080
Centaurus 5	01I-610100
CLU	01L-650001
Antares	01E-501120
MQ12Di	01E-501085

Software Information		
	Pi Toolset	Cosworth setup configuration software

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Dimensions

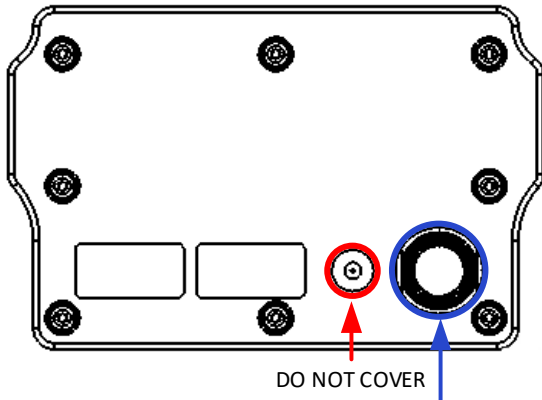


Installation

- Ensure unit is protected against severe vibrations by utilising AV mounts. Also ensure unit is not fouling other structures which may experience severe vibrations.
- Ensure unit is positioned in an area with sufficient cooling air flow to prevent over heating.
- Ensure unit is mounted away from sources of electrical interference
- Ensure unit is mounted in position where unit will not come into contact with liquids.

CDU 4.3

Connector Information



CN1

Connector	Mating Connector
LEMO HEN.2M.319.XLNP	LEMO FMN.2M.319.XLCT

Pin	Signal	Description
1	Enet Tx+1	Ethernet Tx+ Port 1
2	Enet Rx+1	Ethernet Rx+ Port 1
3	N/C	Not connected
4	EnetTx+2	Ethernet Tx+ Port 2
5	EnetRx+2	Ethernet Rx+ Port 2
6	EnetRX-2	Ethernet Rx- Port 2
7	RS232 Rx	RS232 Rx Debug
8	N/C	Not connected
9	N/C	Not connected
10	N/C	Not connected
11	+12V	Battery Positive
12	EnetTX-1	Ethernet Tx- Port 1
13	EnetRx-1	Ethernet Rx- Port 1
14	N/C	Not connected
15	EnetTx-2	Ethernet Tx- Port 2
16	RS232 Tx	RS232 Tx
17	N/C	Not connected
18	Gnd	Ground
19	Gnd	Ground

Recycling and Environmental Protection

Cosworth Electronics is committed to conducting its business in an environmentally responsible manner and strive for high environmental standards.

Manufacture

Cosworth products comply with the appropriate requirements of the Restriction of Hazardous Substance (RoHS)

Disposal

Electronic equipment should be disposed of on accordance with the regulations in force and in particular on accordance with the Waste in Electrical and Electronic Equipment directive. (WEEE).



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