



Cosworth's flagship dash unit combines a high-resolution display with fast-rate data logging in a smart, compact and lightweight single-box solution. Superseding the hugely successful Omega D4, the ICD was one of the first full-colour dash display logger units on the market and has since proved extremely popular across a wide range of applications.

DISPLAY

Bright, clear, feature-rich graphics with a 6.2" TFT 800 x 480 colour display viewable from a wide range of angles.

Adaptable for various light conditions, an integrated LDR provides automatic brightness adjustment minimising driver distractions.

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

DATA LOGGING

Reduce the need to compromise the number and rate of channels logged with 2GB logging memory.

Execute fully customisable control strategies, driver aids and alarms with on-box maths channel capability.

INPUTS & OUTPUTS

Instrument vehicles from club through to professional level motorsport with up to 20 analogue inputs.

Wheel speed (including DF11i support), lap beacon and RPM inputs are supported by 6 digital inputs (5 high frequency).

Equip the car with a multitude of steering wheel/panel switches including; longhold, shorthold, momentary and toggle with up to 10 switch inputs.

Extra I/O is available through the use of additional CAN expansion modules.

CONNECTION

Send and receive large quantities of data to and from other devices with up to 4 CAN ports.

Connect to LIN spec devices including the popular motorsport WDA (Wiper Driver Actuator).

Simplify wiring and create a single access point for the ICD plus other devices (ie. SQ6, IPS, etc.) with the built-in Ethernet hub.

SOFTWARE

Customise template colours, dial/gauge positions, images and channels with configurable dash layout functionality built in to Pi Toolset. This single software is also used for firmware updates, setup and data offload for all Omega devices; CLU, IPS32, IPS48, ICD and L2. Market-leading data analysis software, Pi Toolbox, is used for detailed data analysis.

PHYSICAL & OPERATING

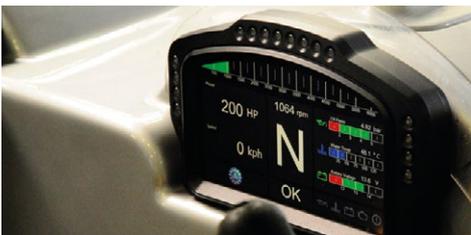
12V or 24V systems compatible with display and logging continuation in the event of low battery with a voltage operating range of 6.5V – 35V.

Housed in an aluminium enclosure, designed and manufactured to IP65 the unit is protected against infiltration of dust with a high level of water protection.

Compact and lightweight with a footprint of 190 x 116 x 54 mm and weight of 640g.

ICD FEATURE MATRIX

		ICD		
		Plus	Pro	Ultra
Platform (Omega)				
Variant				
Part Number		01P-032953-Plus	01P-032953-Pro	Pro 01P-032953-Ultra
Display	Screen Size	6.2" TFT		
	Resolution	800 x 480		
	Brightness (NIT)	400		
	Screen Coating	Hard Anti-Glare Coating		
	Viewing Angle	±75°Hor / ±70°Vert		
Logging	Capacity (MB)	512	1,024	2,048
	Bandwidth (bytes/sec)	20,000	30,000	50,000
	Sampling Rates (Hz)	200	500	1,000
Maths	User Configurable Maths	50	100	250
I/O	Analogue	8	14	20
	Digital Inputs	6		
	Switch Inputs	5	10	10
	Outputs (HSD)	-	2	2
Comms	CAN Ports	2	4	4
	LIN Ports	1		
Physical	Weight (g)	640		
	Dimensions (mm)	190 x 116 x 54		



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