▶ DASHBOARD & DISPLAYS:

LPP-130 LED POSITION PANEL
LPC-330 LED PANEL CONTROLLER

HIGH-RELIABILITY CAN-BASED RACE POSITION PANELS

Designed for the most demanding motorsport environments, the XAP LED Position Display System combines ultra-thin LED panels with a high-performance CAN controller to deliver clear, instant, and fail-safe race information to the driver.

Born from years of experience in top-level championships (Formula E, Formula 2, Formula 3, LMP3, GT and endurance racing), this solution reflects XAP Technology's core DNA: robust electronics, intelligent architecture, and uncompromising reliability.

The system is composed of two complementary products:

- LPP-130 LED Position Panels: Ultra-slim, high-brightness LED displays designed for seamless integration into dashboards, steering wheels or bodywork.
- LPC-330 LED Panel Controller – V3: A compact, powerful CAN controller managing dual panels with advanced redundancy and flexible configuration.

Together, they form a fully integrated race position display solution, ready for professional motorsport applications.

WHEN RELIABILITY, CLARITY AND PERFORMANCE ARE NON-NEGOTIABLE.

FUTURE-PROOF BY DESIGN:

Fully configurable CAN protocol, scalable architecture, and continuous software evolution.

INSTANT READABILITY:

High LED density, configurable colors and brightness, optimized display modes for fast driver perception.

DESIGNED FOR RELIABILITY:

Redundant CAN architecture and intelligent fallback behaviors ensure information remains visible even in degraded conditions.

FLEXIBLE INTEGRATION:

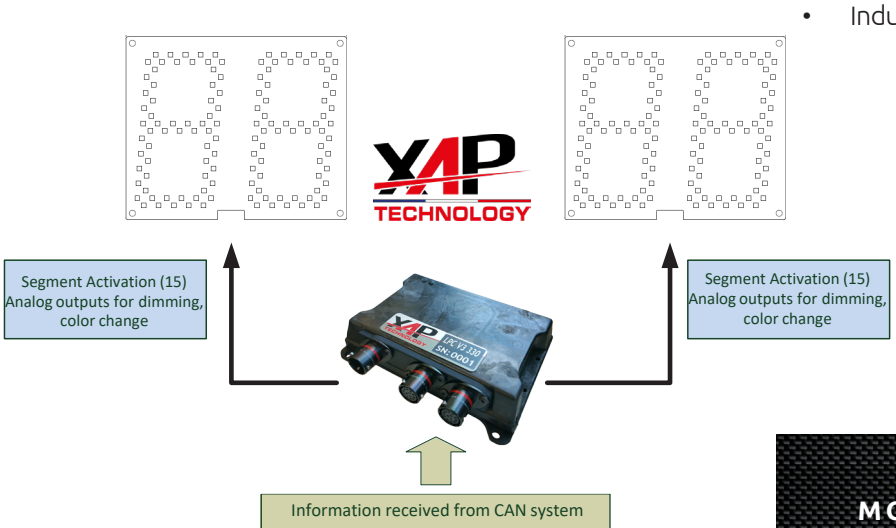
CAN-based architecture compatible with transponders, ECUs and marshalling systems. Easy adaptation to different championships and regulations.

MOTORSPORT-GRADE HARDWARE:

Carbon & aluminum controller housing, motorsport connectors, vibration-resistant design, validated on track.

BUILT FOR THE MOST DEMANDING ENVIRONMENTS:

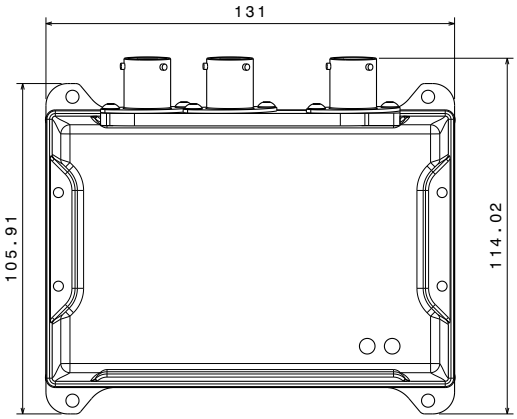
- Motorsport & competition
- Aerospace & aeronautics
- Marine & offshore
- Industrial & Special applications

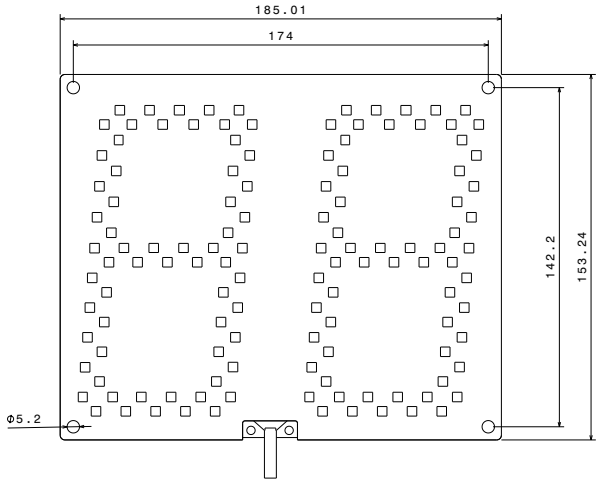


MORE INFORMATION ON WWW.XAP.FR

▶ DASHBOARD&DISPLAY: *LPP-130 & LPC-330*

DIMENSIONS





LPC-330 SPECIFICATIONS

Channels	Max channel 1 to 400
CAN interfaces	2 × CAN 2.0B
Alert / Diag	none
CAN communication	2 x 2.0b not terminated
CAN Protocol	Fully configurable
CAN architecture	System CAN + dedicated panel CAN
CAN termination	Configurable 120 Ω
Panel outputs	Independent Left / Right CAN channels
Interfaces	Motorsport-grade housing (carbon or aluminum)

LPP-130 SPECIFICATIONS

Display technology	High-density RGB LED matrix
PCB	Ultra-thin flexible PCB
Panel role	Slave device (controller-driven)
Power/current	12V supplied by controller / max 2 A per panel
Panel addressing	Digital input (Left / Right selection)
Thickness	3.9 mm
Update	USB (full speed)

TECHNICAL SPECIFICATIONS

Supply Voltage	8 — 19 V
Typical current	~650 mA (system)
Temperature range	- 20°C to 80°C
EMC & vibration	Suitable for motorsport and harsh environments
Target environments	Motorsport, aerospace, marine, industrial

SOFTWARE SPECIFICATIONS

Configuration software	XAP DashEditor
Panel addressing	-Independent CAN IDs (Left / Right)
Display modes	Position, car number, timer, alerts, animations
Target environments	Motorsport, aerospace, marine, industria
Color/brightness	RGB — adjustable via CAN
Safety behavior	Defined fallback modes on CAN loss

REFERENCES

PF0855	LED POSITION PANEL
PF0909	LED PANEL CONTROLLER

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