

MPC 24LP



ONE ARCHITECTURE, EVERY VOLTAGE

The XAP MPC embodies a new generation of multi-voltage embedded electrical architectures.

Designed to simultaneously manage 12 V, 24 V, and 48 V systems, it ensures **intelligent and secure** power distribution across control, auxiliary, and high-power functions.

With its central XAP controller and seamless CAN/LIN communication, the MPC guarantees **easy integration**, optimal performance, and full compatibility with the most demanding applications.

XAP electronic powerboxe modules are defined with the highest **safety** protection of your accessories, as for low voltage detection as well as high voltage or sparks.

To **optimize your architecture**, soft start is included in all outputs to prevent current draw, and also a freewheeling diode to avoid any feedback current damage. So your power system is safe as ever been before.



SCALABLE, CONNECTED, EFFICIENT

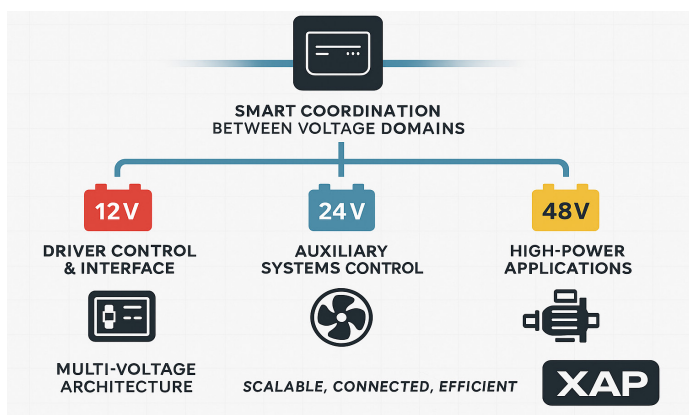
MULTIPLE ELECTRICAL NETWORK MANAGEMENT

12V to 75V, Input voltage is the output voltage

TECHNICAL SPECIFICATIONS

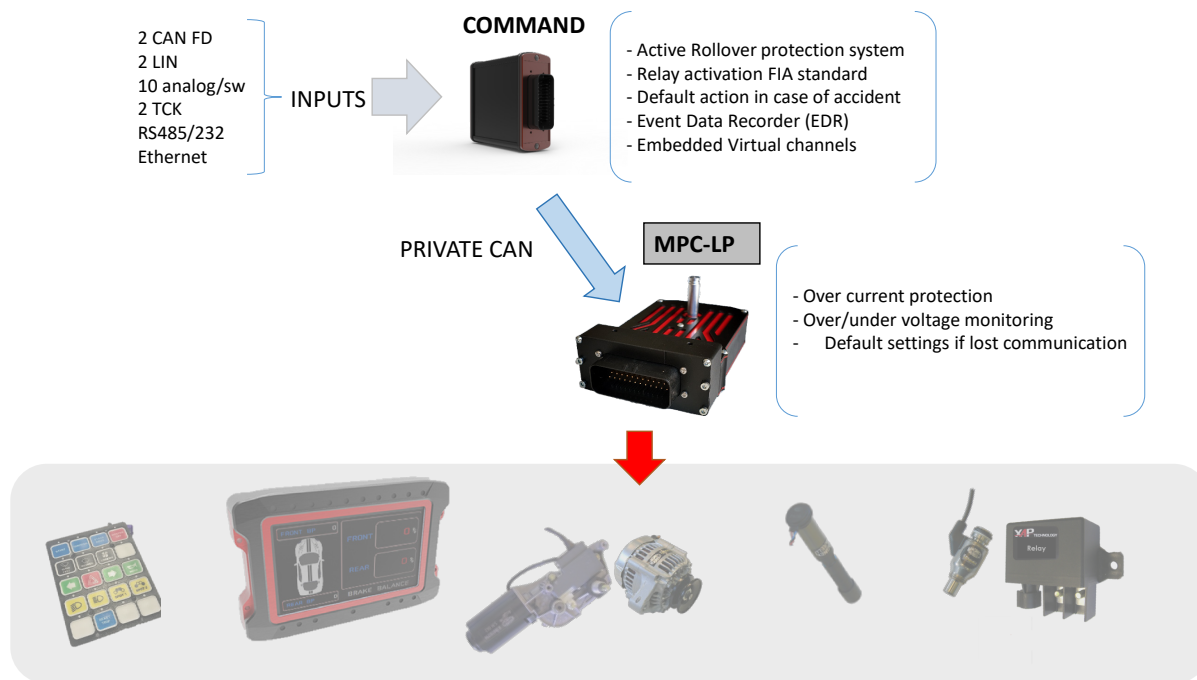
Power Supplies	Separated
Outputs	
Total Max current	100A
High side 7A	22
half bridge 7A	2
Logic ground reference	1
PWM	up to 100Hz
Stepper motor management	thru 2 ^{1/2} Hbridges
Low side	2
ESD protection	yes
USB isolated	yes
Freewheeling diode protection	all outputs
Over current protection	all outputs
Low & High Voltage protection	all outputs
Status leds	2
Dimension Power Module	160x100x44
Weight Power Module	750g
Reference	PF0896

MORE INFORMATION ON WWW.XAP.FR





► ELECTRONIC DISTRIBUTION SYSTEM *MPC MODULE*



Why choosing XAP ?

XAP designs, develops, and manufactures high-precision mechatronic systems for demanding environments: motorsport, e-mobility, aeronautics, marine, and advanced industries.

By combining electronics, mechanics, and embedded software, we deliver tailor-made solutions such as electronic boards, complex housings, and intelligent software. Our expertise spans electric vehicle conversion, advanced energy management, prototyping, and reverse engineering.

With our design office and manufacturing workshops integrated on a single site, we ensure optimal responsiveness from concept to final testing. Sustainability, artificial intelligence, eco-design, and advanced materials are at the core of our continuous innovation.

Your satisfaction, our driving force!



MORE INFORMATION ON
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