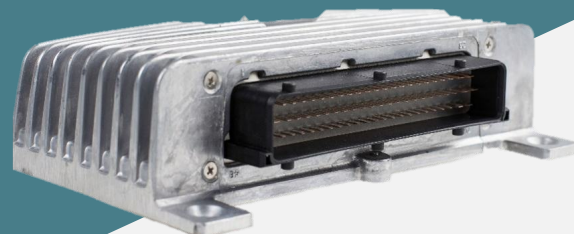


APC

All-Purpose Controller



VERSATILITY

For Safety-Critical Applications

The APC is a professional level multi-purpose control unit suitable in a wide range of applications, such as safety-critical control applications, I/O interface, and gateway functionality. The unit has multiple communication interfaces, a wide array of input and outputs as well as safety functionality such as hard wired output enabling.

CPAC's APC is versatile and convenient in terms of size and weather sealing, it is designed to meet and withstand tough conditions.

FEATURES

Supports multiple communications interfaces

Versatile inputs

Proportional control and digital outputs

Designed for safety critical applications

Robust enclosure for rough conditions.

Supports 12V and 24V systems

Wake on CAN or ignition signal

APC | SPECIFICATIONS

All-Purpose Controller

GENERAL SPECIFICATIONS

Physical

Dimensions (W x H x D)	170 x 100 x 45.5 mm
Weight	555 g
Material	Aluminium
Color	Dark grey

Communication

CAN	6x CAN FD
Wake on CAN	1x
SENT	2x
LIN	1x

Environmental

Operating temperature	-40°C ≤ T ≤ 85°C
Humidity	ISO 16750-4
Enclosure protection	IP6K9K - ISO 20653
EMC	STD 515-0003

Functional & Connectors

Supply voltage	8 - 32 VDC
Continuous current	11A
Connector	70 Pin 1-963484-1 TYCO

I/O

5V Sensor supply	2x 150 mA
Analogue inputs	4 Pull-up, 4 Pull-down (0-5V)
Digital inputs	2 Pull-up, 4 Pull-down (0-32V)
Frequency inputs	2x Counter / Period measurement inputs(5V)
High side outputs	6x 2000 mA PWM, 4x 4000 mA PWM
Low side outputs	8x 200 mA (1A peak), 4x 2000 mA (7A peak) PWM with closed loop current control, 2x 4000 mA (7A peak) PWM with closed loop current control

REGULATIONS AND STANDARDS

Road vehicles

ISO 16750-1:2006
 ISO 16750-2:2010
 ISO 16750-3:2007
 ISO 16750-4:2010
 ISO 16750-5:2010

EMC

STD 515-0003

Code letters:

Z-N-G-A-D-IP6K9K