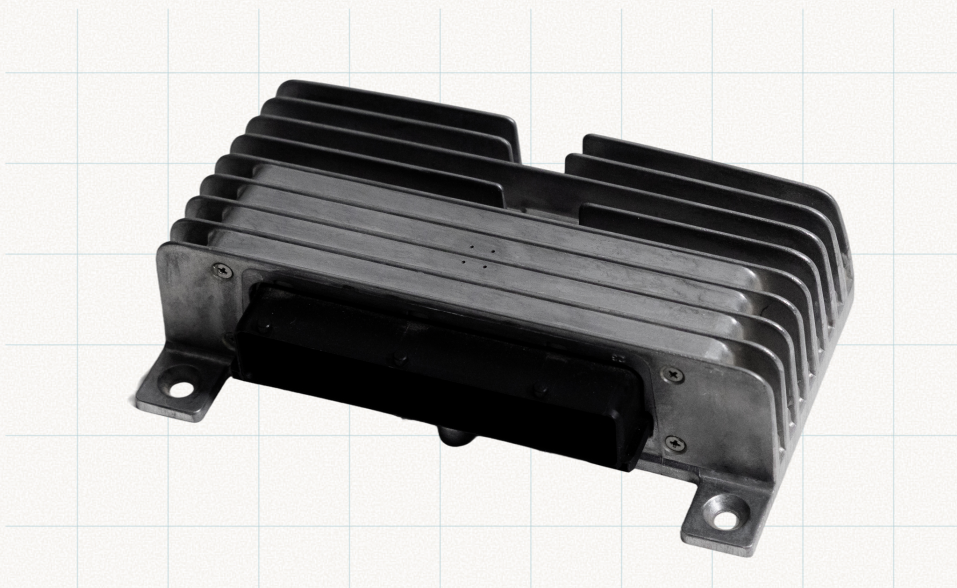


Z-N-G-A-D-IP6K9K

**ALL-PURPOSE
CONTROLLER**

APC



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

Versatility for safety- critical applications

The MPC 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 Systems' MPC is versatile and convenient in terms of size and weather sealing, it is designed to meet and withstand tough conditions.

All-purpose controller

General specifications

Physical

DIMENSIONS 170 × 100 × 45.5 mm
(W × D × H)

WEIGHT 555 g

MATERIAL Aluminum

COLOR Dark grey

Enviromental

OPERATING TEMPERATURE $-40^{\circ}\text{C} \leq T \leq 85^{\circ}\text{C}$

HUMIDITY ISO 16750-4

ENCLOSURE PROTECTION IP6K9K - ISO 20653

EMC STD 515-0003

Connections

MALE CONNECTOR 70 Pin 1-963484-1
TYCO

Functional

SUPPLY VOLTAGE 8 - 32 VDC

CONTINUOUS CURRENT 11A

Communication

CAN 6× CAN FD

WAKE ON CAN 1×

SENT 2×

LIN 1×

I/O

5V SENSOR SUPPLY 2× 150 mA

ANALOGUE INPUTS 4 Pull-up, 4 Pull-down
(0-5V)

DIGITAL INPUTS 2 Pull-up, 4 Pull-down
(0-32V)

FREQUENCY INPUTS 2× Counter /
Period measurement
inputs(5V)

HIGH SIDE OUTPUTS 6× 2000 mA PWM,
4× 4000 mA PWM

LOW SIDE OUTPUTS 8× 200 mA (1A peak),
4× 2000 mA (7A peak)
PWM with
closed loop current
control,
2× 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