

## TECHNOSOFT IPOS4810

Motion controller drive - 10A

P022.015.E122  
 iPOS4810 MZ-CAT (48V, 10A, pin-plug, EtherCAT)



TECHNOSOFT  
 MOTION TECHNOLOGY



- Power up to 700W, continuous/peak current 10/40A
- Built-in motion controller
- Communication via RS232, EtherCAT, TMLCAN and CANopen
- For brushed DC, BLDC and stepper motors
- STO inputs

### PRODUCT DESCRIPTION

Programmable and flexible drive controller with integrated output stage, MotionChip controller, I/O signals, EtherCAT interface, STO safety function and comprehensive support for motor technologies and encoder interfaces. The MZ module has been specially developed for onboard integration and is the ideal solution for a variety of applications with limited installation space.

Electrical characteristics:

- Motor power supply / logic power supply: 11 - 50 VDC / 9 - 36 VDC
- Output current: continuous 10A, peak current 40A

Motor types:

- Brushless DC motors (BLDC motors, PMSM)
- Brushed DC motors (DC motors)
- Stepper motors (2- or 3-phase)
- Cylinders for vibrating coils
- Linear motors

First feedback option::

- Incremental encoder
- SinCos 1Vpp
- Digital Hall Sensors
- Analog Hall sensors

Second feedback option:

- Incremental encoder
- SSI / BiSS-C
- Panasonic
- Tamagawa
- EnDat 2.2

## TECHNICAL DATA

|                                    |  |
|------------------------------------|--|
| <b>Analogue Inputs</b>             | 2  |
| <b>Communication</b>               | RS232, EtherCAT  |
| <b>Compatible motor technology</b> | PMSM motor, Voice coil actuator, Brushless DC motor, Stepper motor, Linear motor, DC |
| <b>Control type</b>                | Electronic cam, Electronic gearing, Position, Speed, Torque                          |

|                             |  |
|-----------------------------|--|
| <b>Digital inputs</b>       | 6  |
| <b>Digital outputs</b>      | 5  |
| <b>Nominal current</b>      | 10 A   |
| <b>Peak current</b>         | 40 A   |
| <b>Positioning feedback</b> | Panasonic, TAMAGAWA, SSI, EnDaT 2.2, 1 Vpp Sin/Cos, Analogue hall sensors, Incremental, Digital hall sensors, Sensorless, Tachogenerator |
| <b>Power</b>                | 500 W  |
| <b>Supplier</b>             | Technosoft   |
| <b>Supply voltage</b>       | 12 V DC, 24 V DC, 36 V DC, 48 V DC   |
| <b>Weight</b>               | 20 g   |