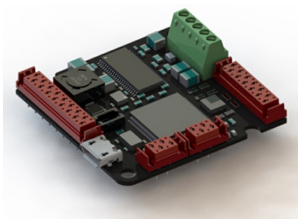


# CAN Newsletter Online

SERVO DRIVE

***With dimensions of 40 mm x 40 mm x 15 mm***

The Neptune from Ingenia (Spain) is a servo drive with a footprint of 40 mm x 40 mm. It comes with CANopen, USB and EIA-232 capabilities.



*The Neptune was designed without the need for a heatsink (Photo: Ingenia)*

THE SERVO DRIVE IS CAPABLE of control motors with low inductance, such as coreless or ironless DC motors. The product targets low power, high density applications operating micro-motors (brushless or brushed), voice coils or nano-stages of up to 4 A peak current.

The power supply of the product is 6 V<sub>DC</sub> to 48 V<sub>DC</sub> and it communicates via the CANopen protocols CiA 301, CiA 303, CiA 305, CiA 306 and CiA 402. Additional communication is also provided via USB 2.0 and EIA-232. It has the following operating modes: open loop, V/F, profiled torque, profiled velocity, profiled position, interpolated position, cyclic sync position and homing.

The drives are designed for both, direct integration into a PCB or for friendly wiring with connectors. They are configurable and programmable with the Motion Lab software suit. Additionally they are capable of operating in position, velocity and current modes and contain a range of feedback, control modes and I/O options. The Neptune is the company's smallest servo drive and will be available in December.