

Modular Motion Driver | MMD-103

www.micronixusa.com | info@micronixusa.com | phone: +1 (949) 480 0538 | fax: +1 (949) 480 0538

The MMD-103 is a piezo motor driver with a pulse-direction input designed to be used as a standalone 3 axis unit. The MMD-103 is capable of driving 3 piezo motors up to 3mm/s in open loop with a resolution of down to 1nm. The MMD-103 can be driven using differential step and direction inputs. MICRONIX Motion Control Language allows for easy setup through simple ASCII commands.

Not recommended for new designs

KEY FEATURES

- Integrated controller for piezo motor stages
- Open loop resolution down to 1 nm
- Closed loop resolution down to 1 nm (dependent on encoder)
- A quad B differential or sin/cos analog encoder feedback
- USB 2.0 or RS-485 interface
- Differential step/direction inputs

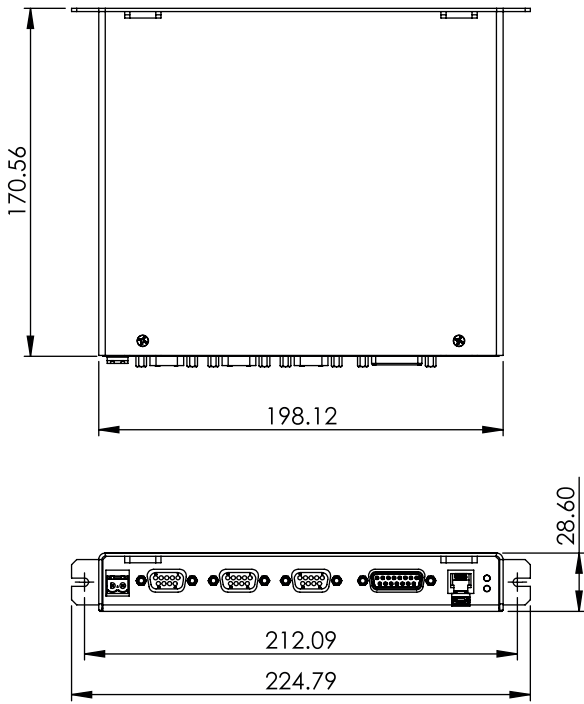
TECHNICAL DATA

Axes	3
Motor type	2-Phase Piezo Motor
Interface	USB 2.0 or RS-485 (configuration), 15-pin D-sub (driver signals)
Commands	ASCII commands
Power supply	Regulated 48V DC
Speed, max	3 mm/s (stage dependent)
Resolution	1 nm (open loop), 1 nm (closed loop)
Servo clock frequency	10 kHz
Enclosure dimensions	L198 x W171 x H29 mm

ORDERING INFORMATION

MMD-103- 0 1 0 0

AXES	3 Axis	1
POWER SUPPLY	60 W	0
ENCODER INTERFACE	Analog (1 V _{pp})	0
	Digital (RS-422)	1



Specifications are subject to change without notice.