

Modular Motion Controller | MMC-10

The MMC-10 is a low cost, ultra compact piezo motor controller. It allows speeds beyond > 2mm/s with our patent-pending multi-phase piezo motor. Multiple units can be stacked as a compact multi-axis module and interface with a computer via a single USB and RS-485 cable. MICRONIX Motion Control Language allows for easy programming through simple ASCII commands.

KEY FEATURES

- Integrated controller for stick-slip, multi-phase piezo stages
- Ultra Compact design
- USB 2.0 and RS-485 interface
- Windows GUI and LabVIEW VI

TECHNICAL DATA

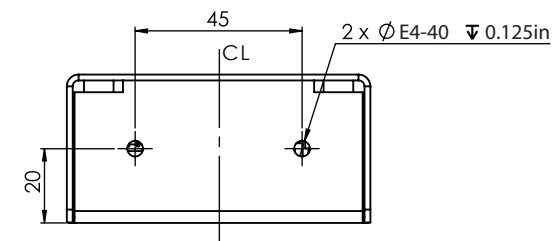
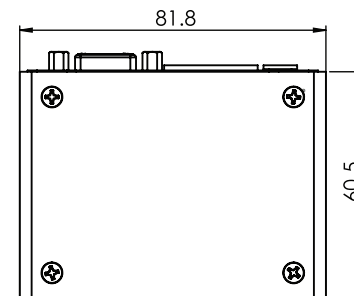
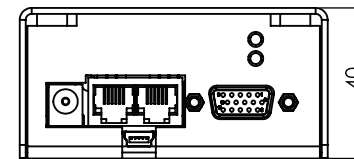
Axes	1
Motor type	Piezo Motor, PM-002
Interface	USB 2.0, RS-485
Commands	ASCII commands
Power	Regulated 24 V DC (0.2 A per axis)
Speed, max	> 2 mm/s
Resolution	1 nm
Trajectory mode	Trapezoidal velocity profile
Trajectory update frequency	1 kHz
Servo clock frequency	10 kHz
Program storage	16 storable programs
Software	Windows GUI, LabVIEW VI

ORDERING INFORMATION

MMC-10- 0

	AXES	POWER SUPPLY	ENCODER INTERFACE
1 Axis	1	24V, 1.5A	0
24V, 1.5A	0	24V, 2.7A	1
24V, 2.7A	1	Analog (1 Vpp)	0
Analog (1 Vpp)	0	Digital (RS-422)	1
Digital (RS-422)	1		

† please contact support for larger stacks



Specifications are subject to change without notice.