

MMX-RACK is a high-density motion controller platform capable of controlling up to 24 axes in a single, scalable system. Each axis is controlled by a dedicated MMX Control Card interconnected through the rack, allowing multiple motor types to be intermixed and managed through a single interface. Control Cards can be added or swapped in the field, providing easy access for system expansion, upgrades, or reconfiguration. The MMX Control Cards are sold separately; refer to its datasheet for additional details. An MMX-Ethernet card is included for seamless communication, making MMX-RACK a versatile and adaptable solution for complex multi-axis motion control systems.

KEY FEATURES

- High Density Motion Controller
- Operates up to 24 axis simultaneously
- 19" 2U rack mountable unit
- Tabletop configuration available

TECHNICAL DATA

Axes	up to 24
Motor Type	Piezo Motor, Stepper Motor, BLDC Motor, DC Motor
Interface	USB 2.0, Ethernet 10/100 Mbps
Commands	ASCII
Input Power	80-264 VAC
Inputs/Outputs	5 digital inputs (opto-isolated) 5 digital outputs (opto-isolated) 5 analog inputs 2 analog outputs
Motor Output	Control Card dependent
Enclosure Dimensions	L285 x W449x H88 mm
Software	Windows GUI, LabView VI, Python

ORDERING INFORMATION

MMX-Rack- 0 0

AXES	1.....	01	<input type="checkbox"/>
	2.....	02	<input type="checkbox"/>
	3.....	03	<input type="checkbox"/>
	:		<input type="checkbox"/>
	Up to 24 Axes.....	24	<input type="checkbox"/>
POWER SUPPLY **	500W (36V/13.9A).....	0	<input type="checkbox"/>
	1000W (36V/27.8A).....	1	<input type="checkbox"/>

** Power supply dependent on stage specification.
Micronix will choose proper supply.

