

Mandex Motion LED Displays M-EXL Specification

LED Type	5 mm domed type
LED Lifetime	100,000 hours
Color Options	Red, Amber, Green, Blue, White, Tri-color: Red, Blue, Purple; or Red, Green, Amber; or Blue, Green, Mint
Viewing Angle	150 degrees
Viewing Distance	50ft. per inch of character height
Controller	Embedded PC. Multiple addressable units may be connected on a common RS-422 cable segment and enabled individually for selective programming or all together in broadcast mode. Local area network connectivity is available via embedded or external terminal server interfaces.
Programming	A communication utility called M-Exlnet Pro that runs on Microsoft Windows PCs is supplied to support script editing and transmission via serial port, modem, or TCP/IP. An RS-232 to RS-422 converter is used to interface PC serial ports and modems to the signs.
Communication Options	RS232, Ethernet, Wireless RS232, RS422
Humidity Range	20-95% non-condensing
Operating Temperature Range	0-40 degrees C (32-104 F)
Power	Units operate on 115 VAC or 230 VAC as configured at the factory, 50 or 60 Hz.
Mounting	Signs can be mounted to wall surface by cleats which add .25" of extra depth, recessed into wall cavities, or installed as free hanging units suspended on rods.
Enclosure	Black powder coated aluminum with black extruded PVC trim rails that snap on the front.

M-EXL Model Options

	M-EXL 2000	M-EXL 3000	M-EXL 6000	M-EXL 10000
Character Height	2"	3"	6"	10"
Matrix (rows x columns)	7 x 32	7 x 32	7 x 16	7 x 8
Pixel pitch	.30"	.425"	.90"	1.5"
LEDs per pixel	1	1	4 (112 diamond clusters)	18 (56 circle clusters)
Card Dimensions (LxH)	9.6" x 4.75"	13.6" x 5.06"	16" x 8.8"	12" x 16"
Chassis Dimensions (HxD)	5.25" x 3" x length extendable in 9.6" segments	5.25" x 3" x length extendable in 13.6" segments	9" x 4" x length extendable in 16" segments	16.43" x 6.4" x length extendable in 12" segments
Weight per Linear Foot	2.5 lbs.	2.5 lbs.	3.5 lbs.	7 lbs.
Minimum Curvature Radius	24"	24"	30"	3'
Power Supply Capacity	Up to 32'	Up to 45'	Up to 53'4"	Up to 7.5'