

## **Mandex Motion LED Displays M-EXL Specification**

<b>LED Type</b>	5 mm domed type
<b>LED Lifetime</b>	100,000 hours
<b>Color Options</b>	Red, Amber, Green, Blue, White, Tri-color: Red, Blue, Purple; or Red, Green, Amber; or Blue, Green, Mint
<b>Viewing Angle</b>	150 degrees
<b>Viewing Distance</b>	50ft. per inch of character height
<b>Controller</b>	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.
<b>Programming</b>	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.
<b>Communication Options</b>	RS232, Ethernet, Wireless RS232, RS422
<b>Humidity Range</b>	20-95% non-condensing
<b>Operating Temperature Range</b>	0-40 degrees C (32-104 F)
<b>Power</b>	Units operate on 115 VAC or 230 VAC as configured at the factory, 50 or 60 Hz.
<b>Mounting</b>	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.
<b>Enclosure</b>	Black powder coated aluminum with black extruded PVC trim rails that snap on the front.

## M-EXL Model Options

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