

# SHARP

## Sharp M Series

Laser projectors ideal for the classroom

M421W/M401H



# Enjoy low total cost of ownership with lamp-free and filter-free DLP laser performance.

M Series laser projectors provide the essential features you need to simply and reliably connect with your audience.



## Essential Features for Educational Facilities

- Featuring WXGA and 1080p native resolutions and brightness up to 4200 lumens for easy-to-see images anywhere in the classroom
- Direct power on and quick power off help maximize presentation time
- Built-in 8-watt speaker provides volume needed for typical classrooms
- Plug and play intuitive setup and operation
- Sufficient connections for multiple sources with dual HDMI inputs

## Low Maintenance Environmental Design

- Exceptional laser life with ECO Mode™ technology increases operation up to 20,000 hours, while lowering power consumption
- Power management enables projector to automatically turn off when an incoming signal is not detected from any of the inputs
- Auto power on when a signal is detected from a computer
- Quick start (3 to 4 seconds) lets you begin presenting in seconds
- Low power consumption (0.5W in stand-by mode) minimizes energy costs

XP-M421W-W		XP-M401H-W	
Display Technology		0.65" DMD	
Light Output (lumens)	High Bright	4,200	4,000
	ECO mode	3300	3100
Resolution	Native	WXGA	1080p
	Maximum	Up to WUXGA (1920x1200) @ 60Hz via HDMI	
Aspect Ratio		16:10 (Supports 4:3, 16:9)	16:9 (Supports 4:3, 16:10)
Contrast Ratio (up to)		50,000:1	
Laser Life (up to)	High Bright	14,000 hours	
	ECO mode	20,000 hours	
Screen Size (diagonal)		40 - 120 in. / 1.02 - 3.05m	
Projection Distance		4.3 to 9.8 ft. / 1.3 to 3m	
Lens	Zoom	Manual	
	Zoom Ratio	1.3x	
	Throw Ratio	1.19 - 1.54:1	1.16 - 1.47:1
	Focus	Manual	
F-number, focal length		F:2.43~2.78 /f=16.90~21.61mm	F:2.45~2.78 /f=17.31~21.61mm
Keystone Correction		Manual (+/- 30° H/V (auto vertical))	
Synchronization Range	Horizontal	15-140kHz	
	Vertical	24-120Hz	
SD/HD Video Signal Compatibility		480i, 480p, 576i, 576p, 720p, 1080i, 1080p	
PC Signal Compatibility		VGA, SVGA, XGA, WXGA, SXGA, WUXGA	
Macintosh Compatibility		Yes	
Input Terminals	RGB1 (digital)	HDMI (v1.4b) w/ HDCP (v1.4)	
	RGB2 (digital)	HDMI (v1.4b) w/ HDCP (v1.4)	HDMI (v2.0) w/ HDCP (v2.2)
Output Terminals	Audio Out	Stereo Mini Jack	
USB	Type A	Service, Power (1.5A)	
External Control		RS-232 (D-Sub 9pin), IR	
Built-in Speaker		8W	
Power Requirements		100-240V AC, 50/60 Hz	
Input Current		3.5A (external power adapter)	
Power Consumption	High Bright	195W	
	ECO mode	150W	
	Standby	0.5W	
Installation Orientation		Floor/Front, Floor/Rear, Ceiling/Front, Ceiling/Rear	
Product Dimensions (WxHxD)		10.9 x 4.5 x 8.5 in. (278 x 115.5 x 216 mm)	
Net Weight		6.6 lbs. (3.0 kg)	
Shipping Dimensions (WxHxD)		15.8 x 11.0 x 6.1 in. (400 x 280 x 155 mm)	
Gross Weight		10.2 lbs. (4.6 kg)	
Fan Noise		36dB (High Bright), 26dB (ECO mode)	
Regulations		USA: cTUV (UL62368-1 3rd ed.) FCC Part15 Class B, Canada: CAN/CSA (62368-1:19 3rd ed.) ICES-003 Issue 7	
Operating Temperature		"32-104°F / 0-40°C up to 2,500" 32-95°F / 0-35°C 2,500' to 5,000' 32-86°F / 0-30°C 5,000' to 10,000"	
Storage		14-122°F / -10-50°C	
Humidity		20 to 80% Humidity (Non-Condensing)	
UPC		074000703544	074000703537

## UNIQUE FEATURES

Direct power on and quick power off improve efficiency and auto power on/off options can lower power consumption

Maintenance free, filter free, DLP laser projector designed for reliable long-term operation

Compact design provides a portable solution that can be easily carried from place to place.

## WARRANTY

Registered owners receive a five (5) years or 20,000 hours (whichever comes first) limited warranty including InstaCare next business day exchange.

## SHIPS WITH

Remote control, batteries, power cord, HDMI cable, quick start guide, and lens cap

## ORDERING MODEL NUMBERS

**XP-M401H-W**

**XP-M421W-W**

## ACCESSORIES

**NP01UCM** Universal ceiling mount

**NP402CASE** Soft Sided Carry Case

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