

# MD-226 Series

## 26-inch wide-screen marine displays



### Features and Benefits

- 26-inch full-HD display, 16:10 aspect ratio
- High quality LCD with LED backlight
- Color calibrated for ECDIS compliance
- Full range dimming, 0 to 100%
- SavvyTouch display controls
- Built-in RS-232/422/485 interfaces
- Dual power supplies (AC & DC)
- IP54 (front)/IP22 (rear) rated

### Certifications



## Introduction

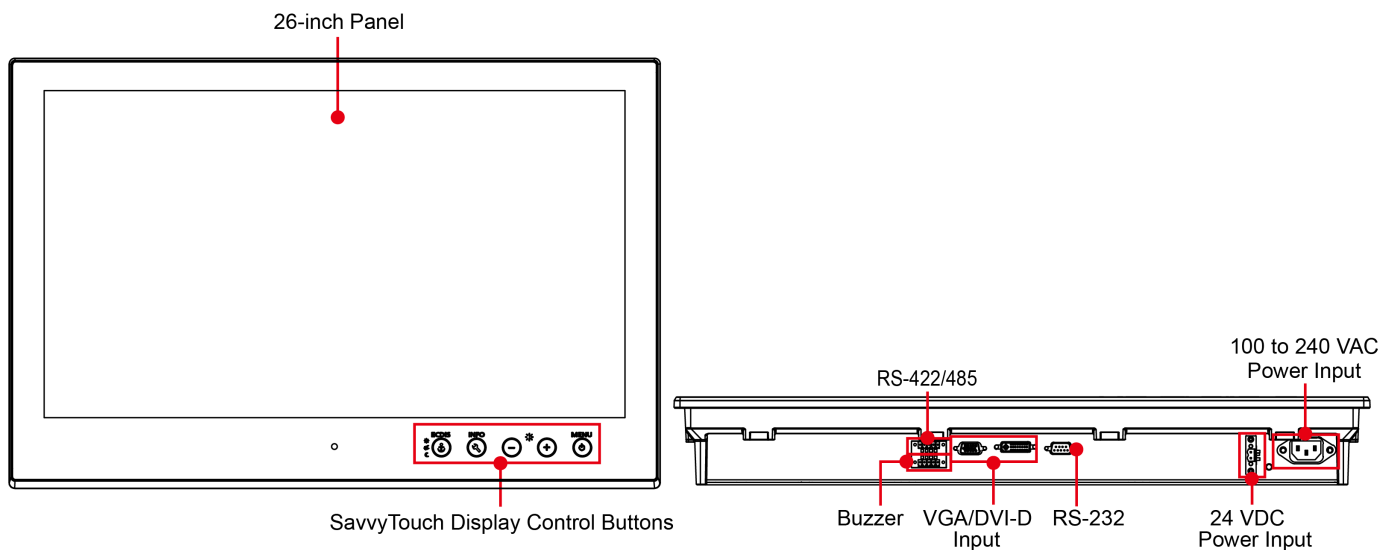
The MD-226 Series of marine displays comes with full range dimming, wide viewing angles, and optional optical bonding. These displays are built with a small-profile modular design that allows easier integration into industrial marine systems, reducing deployment costs and overall time-to-market.

The innovative and user-friendly SavvyTouch display controls offer several unique features not found on any other marine display console: a proximity sensor for convenient adjustments in dark conditions, an info button for immediate updates on hardware status, and a quick-switch to adjust between day, dusk, and night-time ECDIS modes (for color-calibrated ECDIS models only).

The MD-226 Series displays are compliant with IEC 60945, DNV, and IACS-E10, verifying their resilience and durability in maritime conditions. Their IP54-rated enclosure provides additional protection against dust and moisture above and beyond the limits established by these international standards bodies.

ECDIS-approved models are also available, offering an excellent HMI solution for ECDIS charting and navigation stations.

## Appearance



## Specifications

### Computer Interface

Serial Ports	RS-232 ports x 1 (DB9 male) RS-232/422/485 ports x 1, software-selectable (terminal block)
Video Input	DVI-D x 1, 29-pin DVI-D connectors (female) VGA x 1, 15-pin D-sub connector (female)

### Display

Active Display Area	550.08 (H) x 343.8 (V) mm
Aspect Ratio	16:10
Contrast Ratio	1500:1
Light Intensity (Brightness)	300 cd/m <sup>2</sup>
Max. No. of Colors	16.7M (8-bit/color)
Panel Size	26-inch viewable image
Panel Type	MVA
Pixel Pitch (RGB)	0.2865 (H) x 0.2865 (V) mm
Pixels	1920 x 1200
Response Time	15 ms (gray to gray)
Viewing Angles	176°/176°

### Serial Interface

Baudrate	50 bps to 115.2 kbps
Data Bits	5, 6, 7, 8
Flow Control	RTS/CTS, XON/XOFF, ADDC® (automatic data direction control) for RS-485, RTS Toggle (RS-232 only)
Parity	None, Even, Odd, Space, Mark
Stop Bits	1, 1.5, 2

### Serial Signals

RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422	Tx+, Tx-, Rx+, Rx-, GND
RS-485-2w	Data+, Data-, GND
RS-485-4w	Tx+, Tx-, Rx+, Rx-, GND

### Power Parameters

Input Voltage	100 to 240 VAC, 24 VDC (18 to 30 V)
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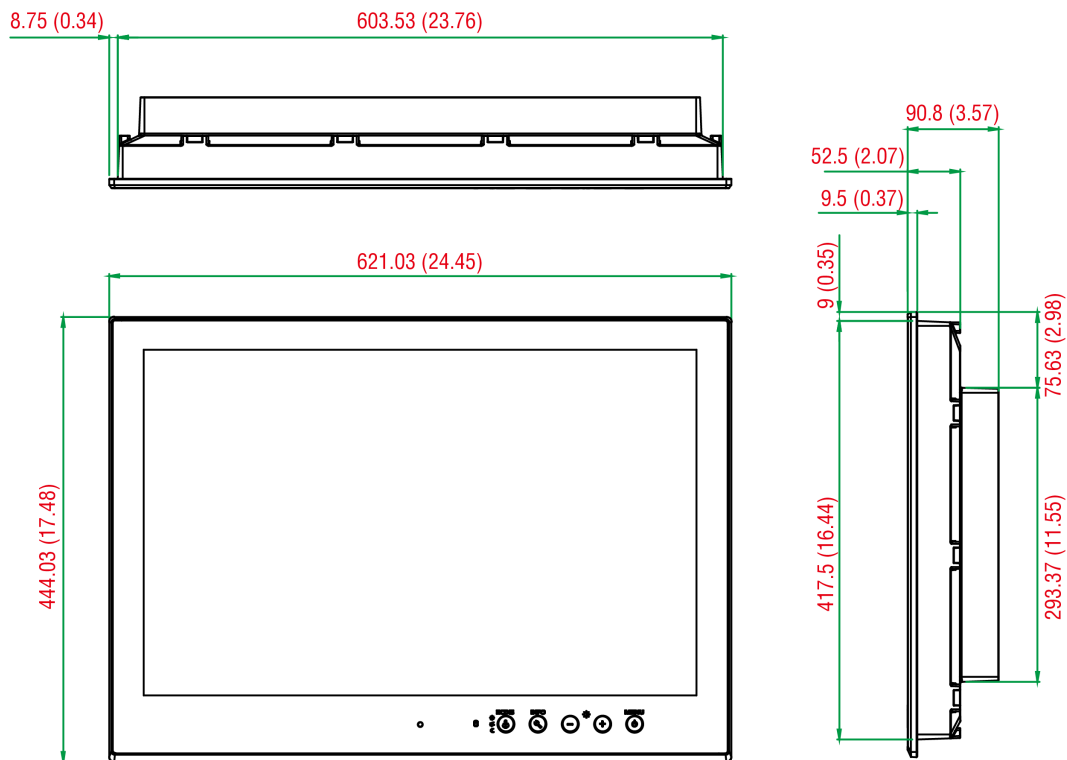
### Physical Characteristics

Housing	Metal
IP Rating	IP54, front IP20, rear
Dimensions	621 x 444 x 90 mm (24.45 x 17.48 x 3.57 in)

Weight	12,650 g (27.89 lb)
Installation	Desktop, Panel mounting, VESA mounting
<b>Environmental Limits</b>	
Operating Temperature	-15 to 55°C (5 to 131°F)
Storage Temperature (package included)	-20 to 60°C (-4 to 140°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
<b>Standards and Certifications</b>	
EMC	EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 10 V
Maritime	ABS, CCS, DNV-GL, IEC 60945
Safety	UL 60950-1
<b>Warranty</b>	
Warranty Period	LCD: 1 year System: 3 years
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>
<b>Package Contents</b>	
Device	1 x MD-226 Series display
Cable	1 x DVI-D cable 1 x VGA
Installation Kit	1 x terminal block, 2-pin 1 x terminal block, 5-pin
Documentation	1 x document and software CD 1 x quick installation guide 1 x warranty card

## Dimensions

Unit: mm (inch)



## Ordering Information

Model Name	Panel	Video Inputs	Touchscreen	Power Input
MD-226X	26" (16:10) 300 nits	1 x VGA 1 x DVI-D	-	24 VDC (18-30 V) 100-240 VAC

## Accessories (sold separately)

### Desktop Mounting Kits

MPC-MD-2-24-26-DMTK w/ hinge	Desktop-mounting kit for 24/26-inch panels
MPC-MD-2-24-26-DMTK w/o hinge	Desktop-mounting kit for 24/26-inch panels, (no hinge)

### VESA Mounting Kits

MPC-MD-2-26-VESAMTK	VESA kit for 26-inch panels (can be used with 200 x 100 mm or 280 x 150 mm VESA mounts)
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