22" Panel Mount Industrial Monitor 1680x1050 250nits, VGA input

HazLoc rated, NEMA 4, Black Powder Coated Steel Bezel, non touchscreen Tempered Glass Window, AC input with UL Listed for Class I, Division 2 for Groups A, B, C, D; Class II, Division 2 for Groups F, G; Class III; Temp Code T5 (File No. E328481) per ANSI/ISA 12.12.01-2013.

Model: HPMW2200-C1D2

A unique single-cutout, stud-free design and depths of only 1.82" to 2.12" make them a snap to install. Options like touch screens and KVM Extenders make these displays highly versatile.

FEATURES

- NEMA 4/12 or NEMA 4/4X/12, sealed to IP65/66 standards
- UL Rated for Hazardous Locations: Class I, II, III, Division 2
- High resolution, high brightness and contrast
- Field-proven MTBF of more than 250,000 hours
- Touch Screen, Tempered Glass, and Acrylic Window options
- Only 1.82" to 2.12" deep
- Black carbon steel and stainless steel bezel options
- Panel mount without drilling stud holes
- 5 ft. cables included (optional to 1000 ft.)
- Industrial Certifications: UL 508A, UL 50E, FCC Class A, CE, UL 60950 3rd Edition / cUL Recognized Component

OPTIONAL ACCESSORIES

- Industrial Keyboards (IP65/66, NEMA 4X rated)
- Screen Protectors
- Extended cable options up to 300 m (1000')
- KVM Extenders

c(UL)us   RoHS   CE   FC

Rear view of 19" Panel Mount Monitor.

Panel Mount workstation configuration with monitor and industrial keyboard.

Optional KVM Extender allows monitor to be placed up to 1000' away from computer.

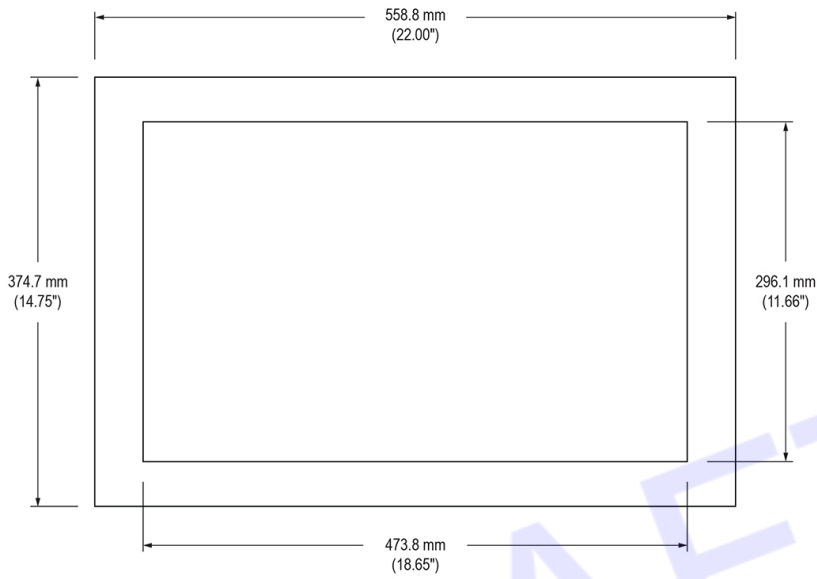*Optional Screen Protector guards touch screens from scratches and wear.*

SPECIFICATIONS

Display	
Type	Thin-film transistor (TFT) Active Matrix Liquid Crystal, LED Backlit
Size	22" diagonal / 16:10
Image Size (W x H)	474 x 296 mm (18.7" x 11.7")
Native Resolution*	WSXGA+ (1680 x 1050 @ 60Hz)
Pixel Pitch	0.282 x 0.282 mm
Number of Colors	16.7 million
Brightness (white)	250 nits (cd/m2)
Viewing Angle (Hori/Vert)	170° / 160°
Contrast Ratio	1000:1 (typ); 20M:1 (dyn)
Backlight Brightness half-life	50,000 hours

Video	
Input Connectors	HD-15, DVI-I
Inputs using Adapter**	HDMI, HDMI Mini, HDMI Micro, DisplayPort, DisplayPort Mini, BNC
Input Signal Formats***	RGB: Sep., Comp., SoG; DVI
Horizontal / Vertical Scan	24-82 kHz / 50-75 Hz
Response Rate	5 ms

Environmental	
Temperature	Operating Temperature: 0° to 50°C (32° to 122°F); Storage Temperature: -20° to 60°C (-4° to 140°F) /
Humidity	20% to 90% non-condensing
Operating Shock / Vibration	15 g, 6 msec, half-sine / Operating Vibration (sine): 1.0 g, swept sine 9-500 Hz; Transport Vibration (random): 0.1g2 /Hz, 10-200Hz; 0.03g2 /Hz, 200-2000 Hz
Altitude	Operating: up to 10,000 ft; Non-operating: up to 40,000 ft

Electrical	
Monitor Input	100 to 240 VAC, 1.5/0.75 A, 60/50 Hz or 9.6 to 36.6 VDC, 2.5 to 0.65 A
Power Consumption	~26 W

Physical	
Enclosure Type	Panel mount; rear collar compresses gasket against panel (5/16" maximum panel thickness); held by M5 studs within single cutout
Bezel Material	Black powder-coated carbon steel or stainless steel faceplate
Panel Rating (with proper installation)	Black powder-coated carbon steel: NEMA/UL Type 12/4; built to IP65/IP66 standards Stainless steel: NEMA/UL Type 12/4/4X; built to IP65/IP66 standards
Depth behind Panel	46.7 mm (1.84")
Front Bezel Outside Dimensions (WxHxD)	559mm x 375mm x 7mm (22.0"x14.75"x0.28")
Cutout Dimensions (WxH)	528.7 mm x 342.3 mm (20.81" x 13.48")
Net / Shipping Weight	19 lbs. / 23 lbs.
Window Options	Single-Touch Resistive Touch Screen, Tempered Glass window (non-touch), Acrylic window (non-touch) (n/a 23.8), Glass-armored touch screen with sulfur gas protection also available (call for details)

Compliances and Certifications	
Electrical	UL/EN/IEC62368-1, UL/EN/IEC60950-1, UL Recognized Component for US and Canada, UL 508A, CAN ICES-3A/NMB-3A, CE, FCC Class A, NOM
Enclosure, Environmental	UL 50E, IEC 60721-3 (Reliability), WEEE (Registration No. WEE/DJ1859ZX for UK only)
Hazardous Location	UL Listed for Class I, II, III, Division 2, Groups A, B, C, D, F, G; T-Code T5 (AC models); T-Code T4A (DC models)

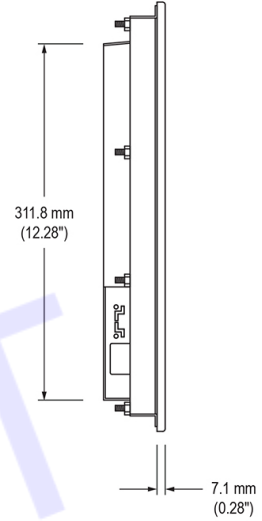*Specifications subject to change without notice, not responsible for typographical errors.*

MECHANICAL DRAWINGS

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.
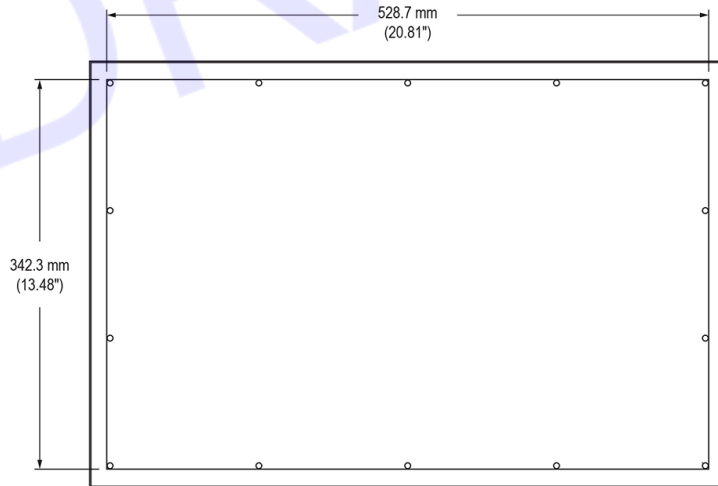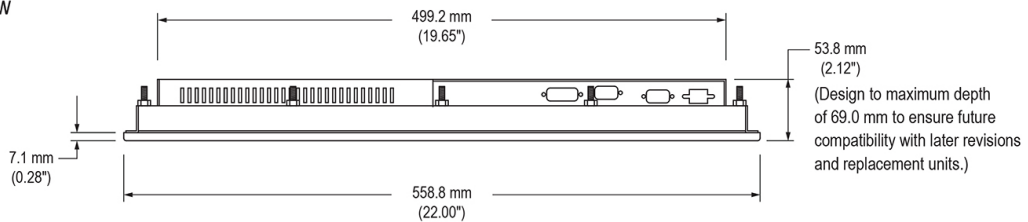
Front View

Side View

558.8 mm
(22.00")

374.7 mm
(14.75")

296.1 mm
(11.66")

311.8 mm
(12.28")

473.8 mm
(18.65")

7.1 mm
(0.28")

Rear View (showing Cutout Dimensions)

528.7 mm
(20.81")

342.3 mm
(13.48")

Bottom View

499.2 mm
(19.65")

53.8 mm
(2.12")

(Design to maximum depth
of 69.0 mm to ensure future
compatibility with later revisions
and replacement units.)

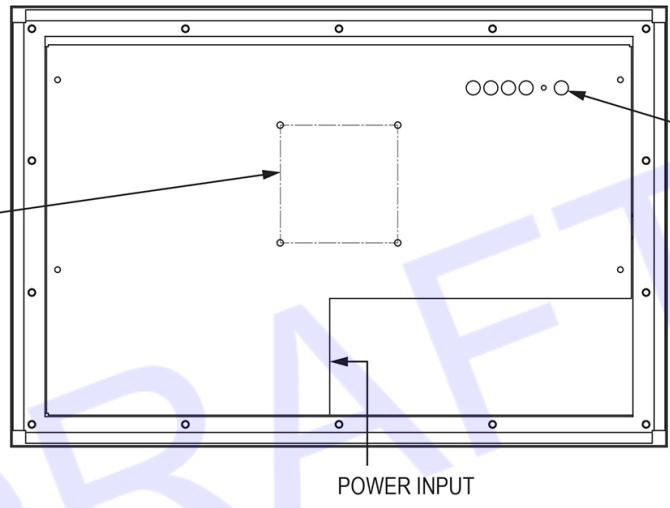7.1 mm
(0.28")

558.8 mm
(22.00")

Drawing No.: HPMW2200-C1D2-06282022-V1
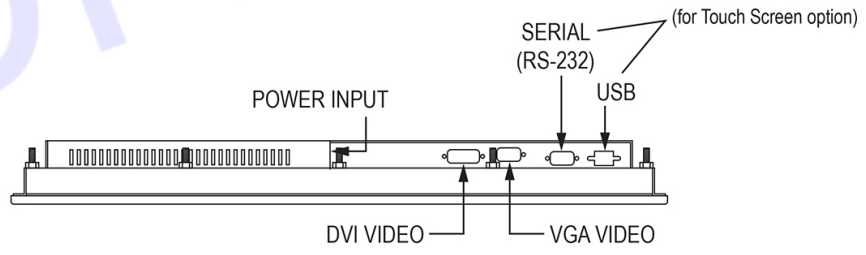
Cable Connections

Rear View

100 mm VESA
MOUNTING PATTERN
(M4 SCREWS PROVIDED,
16 mm MAXIMUM DEPTH
OF SCREW)

CONTROL PANEL
BUTTONS

POWER INPUT

Bottom View

POWER INPUT

SERIAL
(RS-232)

(for Touch Screen option)

USB

DVI VIDEO

VGA VIDEO