

SRMOBTPWPM-19CH

19" SUNLIGHT READABLE OUTDOOR WATERPROOF PANEL MOUNT TOUCHSCREEN

- Projected Capacitive Touch Screen
- Produces Clear, Sharp Images Even in Direct, Bright Sunlight
- 1,000 nits Brightness
- Waterproof Stainless Steel Panel-Mount Enclosure
- Optically Bonded
- Auto Re-Start After Power Loss
- High Temperature Operation: Up to +185°F
- 3-Year Warranty



19" OUTDOOR WATERPROOF TOUCH SCREEN PANEL-MOUNT

The SRMOBTPWPM-19CH is a 19" outdoor waterproof touch screen. It is a sunlight readable P-Cap touch screen in a waterproof panel mount enclosure. It features 1,000 nits brightness, optical bonding, anti-reflective glass and a 4:3 (5:4) aspect ratio. Its operating temperature is -22° to +185°F, making this touch screen suitable for use outdoors and in nearly any type of weather conditions.

SUNLIGHT READABLE TOUCH SCREEN WITH 1000 NITS BRIGHTNESS

The SRMOBTPWPM-19CH is a 19" sunlight readable panel mounted waterproof touch screen monitor. It features 1000 nits screen brightness and a 4:3 aspect ratio. We design this 19" bright touchscreen for outdoor use. It is a weatherproof touch screen specifically designed for use in direct sunlight. Because of the high 1,000 nits brightness of the SRMOBTPWPM-19CH panel mount monitors, they are perfect for any high ambient-light conditions. These weather proof touch screens utilize state-of-the-art LED backlights. 1,000 nits brightness is over 3 to 5 times brighter than standard brightness monitors. Standard LCD monitors offer only 200-300 nits brightness. The SRMOBTPWP-19C-H also features a protective Anti-Reflective glass over the LCD panel. This touch screen is also optically bonded. This will provide you with crystal-clear images, even in direct, bright sunlight on the face of the screen.

WHAT IS OPTICAL BONDING?



Optical bonding is the process of laminating protective glass or a touch screen panel to the LCD panel. We insert an optical-

grade resin between the glass and LCD to increase contrast ratio and improve image quality.

Some monitors have a sheet of glass over the LCD panel. This protects the panel from accidental or intentional damage. However, the glass also produces unwanted glare and reflections on the outer surface. The glass also creates internal reflections in the air gap between the glass and the LCD panel. This will diminish image quality. In order to combat this, monitors are optically bonded.

An optical-grade resin is injected to completely fill the air gap. This not only eliminates the internal reflections, but also increases the contrast ratio. This makes the screen much more viewable in bright light conditions. Optical bonding will also eliminate any internal moisture or condensation. Moreover, it will make the monitor more rugged and durable. Lastly, an Anti-Reflective coating is applied to the outside of the glass. Consequently, this will drastically reduce glare and surface reflections. Optical bonding ensures monitors will be highly viewable in bright, indirect sunlight.

RUGGED 19" OUTDOOR WATERPROOF TOUCHSCREEN

These 19" 1,000 nit touch screen displays are not only bright, but extremely rugged. Built with true industrial-grade components, these outdoor panel mount touchscreens receive our exclusive TRU-Tuff treatment. The TRU-Tuff process includes RTV silicone on all connections and critical components. We then dress all wires, tie-wrap and secure them.

Lastly, we apply ThreadLock to all screws. The durable stainless steel panel mount enclosure ensures maximum shock and vibration resistance. This weather proof touchscreen will easily withstand the elements outdoors. It is also ideal for wash-down environments and widely used in industrial and food processing plants.



The front face of this weatherproof touchscreen has a rating of **NEMA 4X Waterproof**. It is impervious to liquids, rust and corrosion. The SRMOBTPWPM-19CH has a Zero Bezel / Bezel-Less enclosure, which has no raised bezel, frame, or edges on the front face. The panel mount feature enables you to flush-mount this touch screen into a panel, door, wall, cabinet or enclosure. Panel mount touchscreens offer added protection since only the front of the monitor is exposed. View how to install a panel-mount touchscreen.

PROJECTED CAPACITIVE (P-CAP) TOUCH SCREEN WITH HIGH OPERATING TEMPERATURES

We design the SRMOBTPWPM-19CH to operate in nearly any environmental conditions. This 19" bright touchscreen performs in frigid conditions or blazing heat. These monitors will operate in temperatures down to -22°F (-30°C). They will also withstand brutal heat, with operating temperatures up to 185°F (85°C). The 19" high brightness displays will provide years of reliable imaging performance. Specifically, typical MTBF for these monitors is 50,000 hours.

Projected Capacitive (P-CAP) touch is similar to Surface Capacitive, but it offers two primary advantages: in addition to a bare finger, the SRMOBTPWPM-19CH can also be activated with surgical gloves or thin cotton gloves. A Projected Capacitive touch screen also enables multi-touch activation (up to 10 simultaneous touch points). It is one of the 5 most popular types of touch screens available.

WHERE ARE PANEL MOUNT TOUCHSCREENS USED?

TRU-Vu 19" weatherproof outdoor touch screens have been deployed in a wide range of demanding installations. For example, industries such as military, law enforcement, manufacturing and entertainment will benefit. 19" bright touchscreens are also deployed in the inspection, marine, oil & gas sectors. Industrial and transportation industries also utilize this popular model. Most importantly, TRU-Vu monitors are backed by our full 3-Year Warranty. This ensures you of many years of reliable service for your high bright outdoor display.

OUR TECHNICAL EXPERTS ARE READY YOU HELP YOU FIND THE BEST OUTDOOR DISPLAY

See our full line-up of industrial-grade Sunlight Readable and Daylight Readable monitors. This highlights all of our high brightness monitors. You'll find the sunlight readable touch screens in all the sizes and configurations available. Our full range of waterproof monitors and touch screens are available for any outdoor use. With over 540 LCD monitors and touch screens on our site, selecting the ideal weatherproof touch screen solution may be a bit overwhelming. To help narrow-down the choices, check out our Advanced Search Tool. For example, this enables you filter by your own important features. For instance, you may view only 4:3 aspect ratio monitors, 13 - 19 inch monitors, or only panel mount monitors. TRU-Vu can provide modified or Custom OEM LCD Displays. Private Label Monitors are also an option if you have very specific requirements.

If you prefer, fill out a quick form with your requirements, and we will guide you to the proper models that will work best.

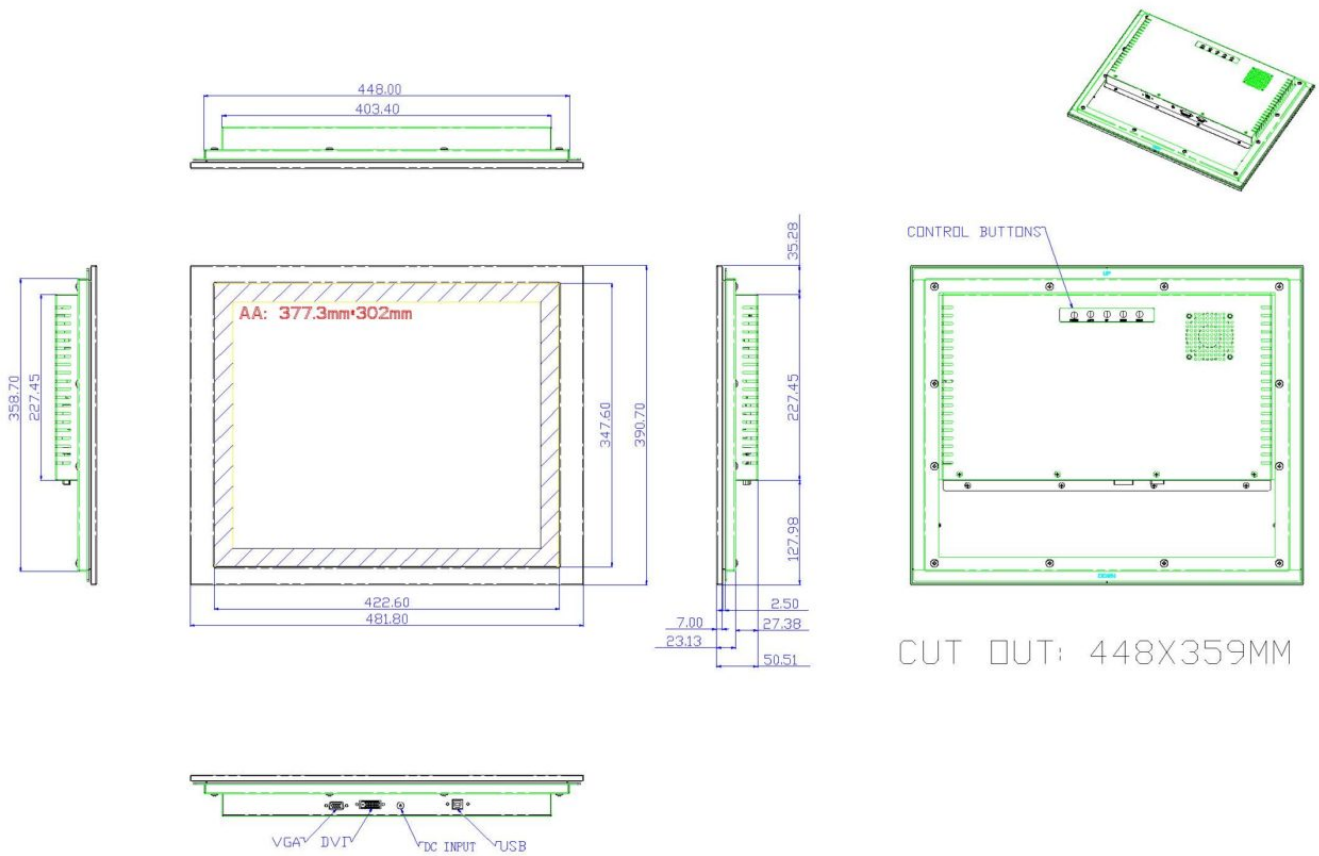
SPECIFICATIONS

	SRMOBTPWPM-19CH
LCD Panel	19" Color LCD; LED Backlights Optically Bonded
Screen Treatment	Optically Bonded
Touch Screen Type	Projected Capacitive
Touch Interface	USB
Resolution	1280 x 1024 (SXGA)
Viewing Area	14.81" (W) x 11.85" (H) (376.17 mm x 300.98 mm)
Pixel Pitch	0.294mm
Display Colors	16.7 M
Aspect Ratio	4:3 (5:4)
Brightness	1,000 nits
Contrast Ratio	1,000:1
Optical Bonding	Yes
Viewing Angle	170° (H) x 160° (V)
Response Time	5 msec (Trf)
Video Input	VGA & DVI
Power Requirement	12 VDC (2.1mm Connector) / 90-240 VAC with Included Power Brick
Power Consumption	48 Watts
Enclosure	Stainless Steel
Enclosure Rating	NEMA 4X; Front: IP65

SRMOBTPWPM-19CH	
Mounting	Panel-Mount
Operating Temperature	-22° to +185°F (-30° to +85°C)
Warranty	3 Years
Dimensions	18.97" (W) x 15.38" (H) x 1.99" (D) 481.80 x 390.70 x 50.51 mm
Weight	16.88 lbs / 7.66 kg

Note: Specifications subject to change without notice.

DIMENSIONS (MM)



SRMOBTPWPM-19CH

Standard Accessories:

- 90-240 VAC Power Supply
- VGA Cable
- DVI Cable

- USB Cable

Available Options:

- Powder-Coated Steel with Non-Waterproof front Face
- Private Label