



# 19" Widescreen Rear Mount Touchmonitor

## TM-1964

### Features

- Rear Mount
- Slim profile with unique narrow border
- Multiple mounting options
- Rear-mount VESA mounting option and removable wing bracket for VESA
- Detachable cables for easy cable harnessing
- Single power supply for all optional devices
- Multilingual and detachable On Screen Display (OSD)
- Comb Serial and USB touch interface
- Super-sensitive, drift-free, precise touch with no overlay
- Long-lasting product cycle
- Worldwide agency approvals



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Leadingtouch Rear Mount LCD's touchmonitors are designed for easy integration into kiosk, gaming machine, industrial enclosure and other installations where compact, touch-integrated display are preferred. TM-196 series integrate the Leadingtouch's IP65 level SAW, Resistive, Capacitive or Infrared touchscreen, TM-196 series is Dustproof and Waterproof touchmonitors.

TM-196 series are designed for space saving and easy mounting integrations. The rear-mount configuration along with optional side mounting brackets would enable you to easily customize into kiosks, cabinets, in-wall as well as other enclosures.

TM-196 series will have Leadingtouch Combo controller with dual touch ports for convenience and flexibility. It will enable you to use both the Serial RS-232 as well as USB port for your touchscreen application.

### Product Information

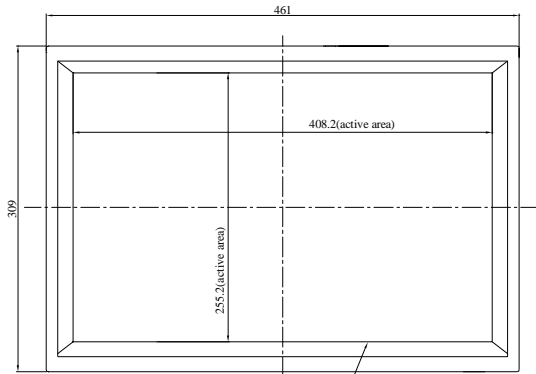
| P/N     | Touch Technology             |
|---------|------------------------------|
| TM-1969 | SAW touchscreen              |
| TM-1967 | Capacitive touchscreen       |
| TM-1964 | 4 Wire Resistive touchscreen |
| TM-1965 | 5 Wire Resistive touchscreen |

### Specifications

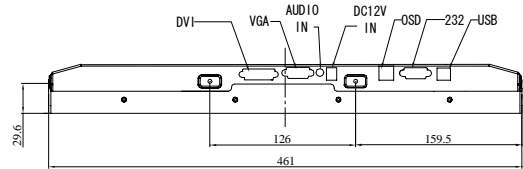
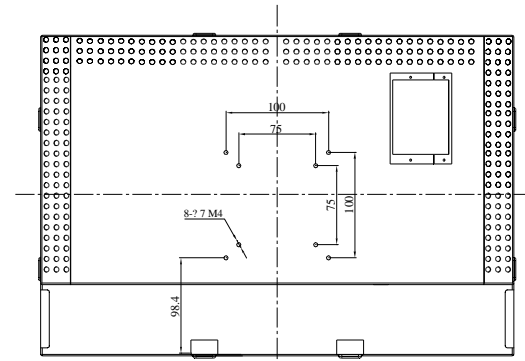
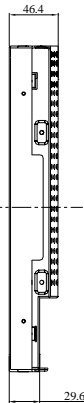
|                                     |   |
|-------------------------------------|---|
| Model                               | TM-1964   |
| Description                         | 19" Widescreen TFT Rear Mount Touchmonitor                                      |
| Case/Bezel Color                    | Black   |
| Display                             | 16:9 Ratio Active matrix TFT LCD  |
| Optimal(native) resolution          | 1440x3(RGB) x 900 @60Hz   |
| Synchronization Range               | Horizontal:50 kHz; Vertical: 60Hz   |
| Useful screen area                  | Horizontal:16.07"(408.2mm):Vertical: 10.05" (255.2                              |
| Colors                              | 16.7 million  |
| Brightness                          | LCD panel: 300 cd/m2 (typical)<br>With touchscreen: 280 cd/m2 (typical)         |
| Pixel Pitch                         | 0.297 x 0.297 mm  |
| Response Time                       | 5 msec (typical)  |
| Contrast ratio                      | 800:1 typical   |
| Viewing angle(typical, from center) | Horizontal (left/right): 160°(80° /80° )<br>Vertical (up/down): 160°(80° /80° ) |
| Backlight Lamp life                 | 50,000 Hrs to 1/2 brightness  |
| Input video format                  | VGA or DVI optional   |
| Input video signal connector        | Mini D-Sub 15-Pin VGA type  |
| On Screen Display(OSD)              | Remote OSD with 1.2m cable  |
| Touch Technology                    | 4W Resistive(SAW, Resistive, Capacitive Optional)                               |
| Touch Interface                     | Combo 10ms232 and USB interface   |
| Touch Resistive Time                | 10ms  |
| Mounting Options                    | Rear Fixed, 75 mm & 100mm VESA mount  |
| Power supply                        | External:100-240V AC, 50-60 Hz  |
| Power Consumption                   | 45.5W max   |
| Temperature Range                   | Operating: 0°C to 50°C; Storage: -20°C to 60°C                                  |
| Humidity Range                      | Operating: 5%-90%; Storage: 8%-90%  |
| Touchmonitor Dimension              | 461 x 309 x 46.4(mm)  |
| Shipping Carton Dimension           | 515x 450 x 175(mm)  |
| Weight(approx.)                     | Monitor: 6.5ka / shipping: 21ka   |
| Warranty                            | Monitor: 3 years; LCD Panel: 1 year   |
| Agency Approvals                    | FCC, CE, RoHS compliant   |

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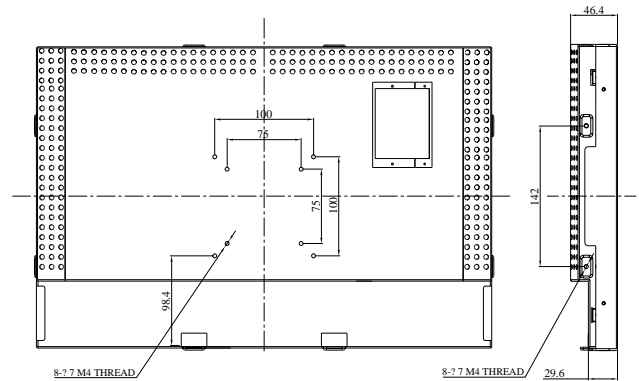
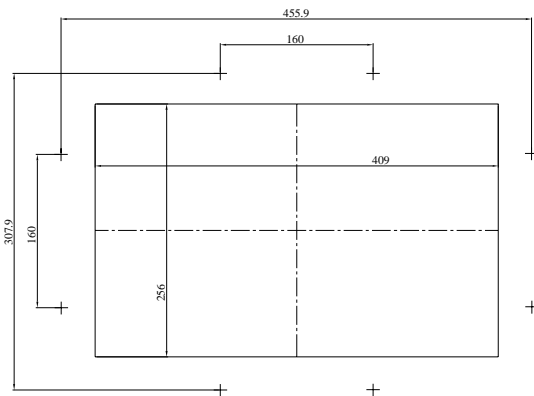
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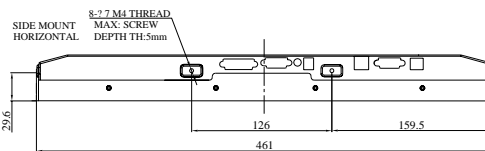
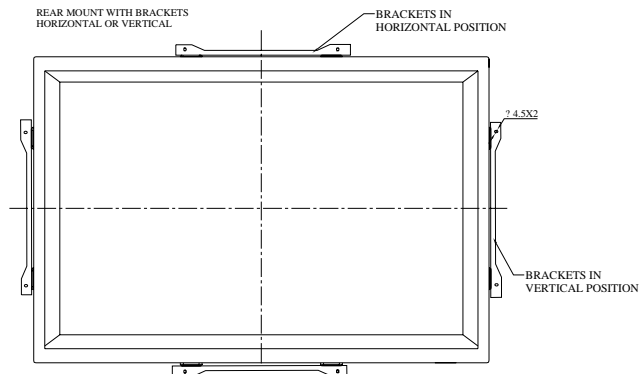
Pending IP65 Glue Seal inside metal frame



RECOMMEND CUSTOMER PANEL CUT-OUT



REAR MOUNT WITH BRACKETS  
HORIZONTAL OR VERTICAL



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Optional Accessory: Remote OSD Controller Box

