# 10.1" Rugged LCD Monitor

# Model XCM-101

**The AbraxSys Difference:**

- True Industrial Grade LCD Panel
- Long-Life Advanced LED Backlighting, over 75,000 MTBF
- 388 nits (cd/m2) Brightness
- Wide Operational Temperature Range -10°C to 65°C (14°F to 149°F)
- High Environmental Performance and Reliability
- Multiple Input Formats
- Wide Aspect Ratio
- Ultra-Wide Viewing Cone
- Engineered, Produced, and Supported in the USA
- Multi-Touch Projected Capacitive Touch Screen (up to 10-touches)
- Exceptional Contrast
- 1-Year Warranty

The XM-104 is an exceptional Daylight Readable, ultra-high-quality, durable LCD. The product boasts a 10.1" viewable area with 1280x800 pixels, 388 nits luminance, and an impressive 600:1 contrast ratio. This ruggedized monitor is designed for use throughout a wide range of demanding applications. This harsh-duty display is rigorously tested to ensure compliance with various industry standards and is engineered to withstand the effects of severe temperature environments and direct sun. This model performs well beyond ordinary

'commercial' type monitors and is ideal for use in many tough conditions. Our Multi-touch sensors are typically constructed thick cover glass, meaning they are durable enough to withstand most impacts and extreme applications. Our specialty is harsh-duty touch screens for use in demanding applications where robust impact-resistant touch screens are paramount, our hardening and laminated glass optimizes the impact and scratch resistance while ensuring high transparency of the panel. Polycarbonate cover glass, while durable, is not stable in sunlight and offers MUCH lower scratch resistance than our hardened glass.

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| Display Size | 10.1 |
| Display Type | Long-Life Industrial Grade Active Matrix LCD |
| Backlight Technology | Solid State, Long-Life LED - **CLICK HERE** for more information<br>**75,000 Hours Half-Life** |
| Brightness | 388 nits |
| Optical Films Enhancements | Boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light. The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs. **CLICK HERE** for more information. |
| Contrast Ratio | 600:1 |
| Aspect Ratio | 16:10 |
| Resolution (Max) | 1280 x 800 (WXGA) Native |
| Colors Supported | 16.7M |
| Viewing Angles | −80° ~ 80° horizontal, −80° ~ 80° vertical |
| Ultra-Response time (std) | 25 msec. |
| Video Inputs | VGA (HD15), DVI, HDMI |
| Touch Screen | Optically Bonded 10-point Projected Capacitive with UV-stable OCA  [GG] |
| Touch Interface | Ethernet to act as USB interface |
| Touch Cycles | 50 Million |
| Optical Bonding | Optical Bonding of PCAP Touch Screen Window to the Face of the LCD |
| OSD | Push Button OSD |
| Power Types | 12V DC (other types available) |
| Power consumption (std) | Display only: 35W (Typ.) |

## PHYSICAL ATTRIBUTES

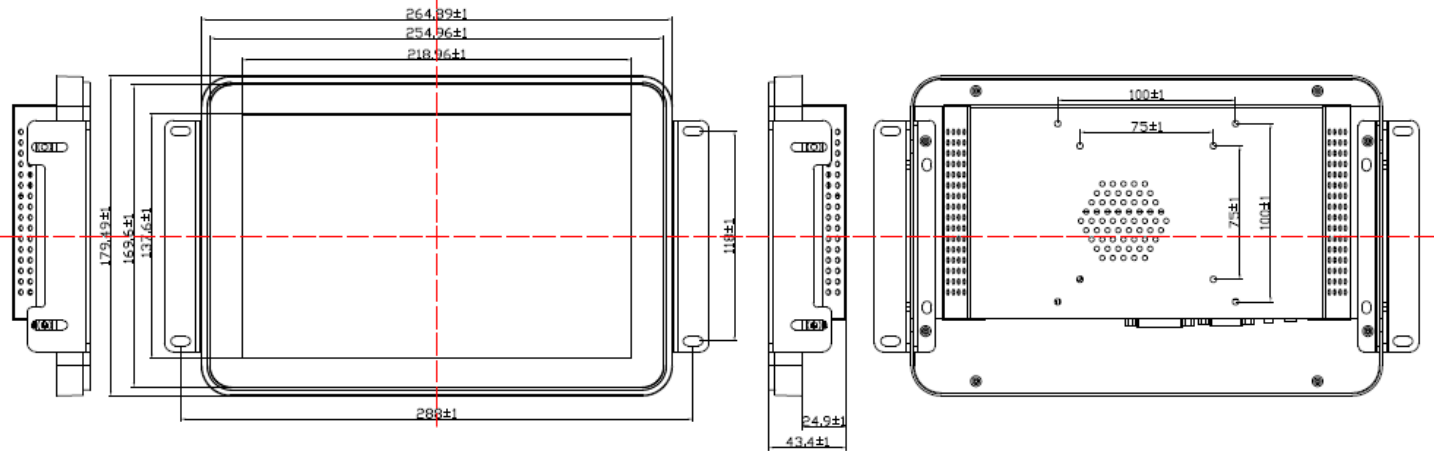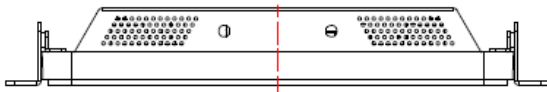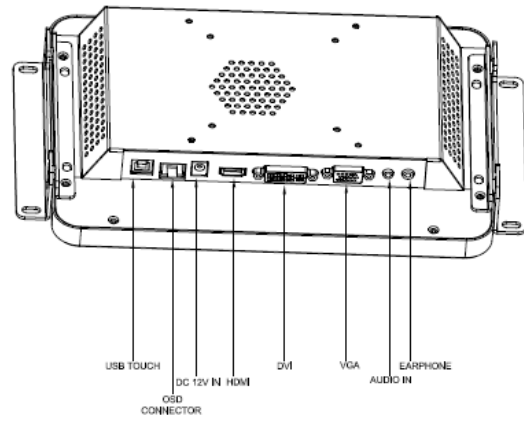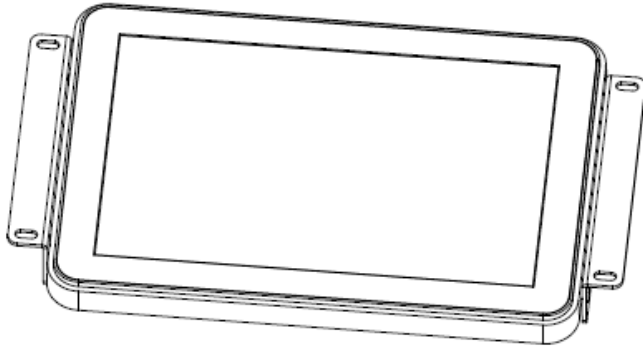| | |
|---|---|
| Touch Window Integration | Mounted FLUSH with the front bezel |

| Enclosure | Textured Black Powder-Coated High Zinc-Oxide Dipped Rear Board Cover |
|---|---|
| Versatile Mounting Methods | Panel Mounting by Adjustable 'Clips', 75 or 100 mm VESA mounting, Open Bracket mounting |
| Active area dimensions | 216.6mm x 135.4mm |
| Display size (mm) WxHxD | 274.5mm x 174.5mm x 53.5mm |
| Weight (approx) | 7.7lbs (3.5kg) |
| Warranty Period | 1 Year |

**ENVRIONMENTAL**

| Sunlight Readability | The latest optical technology for high ambient light conditions |
|---|---|
| Efficiency | Energy Efficient, Low Power Consumption |
| Design | High Environmental Performance and Reliability |
| Operating Temperature Range | -10°C to 65°C (14°F to 149°F) |
| Storage Temperature | -20°C to 65°C (-4°F to 149°F) |
| Fasteners | Vibration-proof, self-locking, fastener system which will not loosen regardless of seat torque.  Designed to help make products safer, lower warranty costs and prolong equipment life by eliminating vibration; increased safety, reliability, operating life and reduced maintenance. |
| Humidity | Operating: 20% to 80% (no condensation); Storage: 10% to 90% (non-condensing) |
| EMI | FCC Class B pursuant to Part 15 of the FCC Rules |
| Agency Compliance | CE, FCC, RoHS, HDMI |
| RoHS Compliant | Yes |





**PUSH BUTTON ON-SCREEN DISPLAY (OSD) CONTROLS**

USB TOUCH
OSD CONNECTOR
DC 12V IN  HDMI
DVI
VGA
EARPHONE
AUDIO IN

264.89±1
254.96±1
218.96±1

179.49±1
169.5±1
137.6±1

118±1

288±1

24.9±1
43.4±1

100±1
75±1
75±1
100±1

These technical and mechanical resources are subject to change without notice.

AbraxSys
RUGGED LCD SOLUTIONS

6161 Keller's Church Road
Units  6151B, 6161A, 6161B, 6171A & 6171B
Pipersville, Pennsylvania 18947 U.S.A.
TEL (800) 883-9050
info@abraxsyscorp.com  |  www.abraxsyscorp.com