



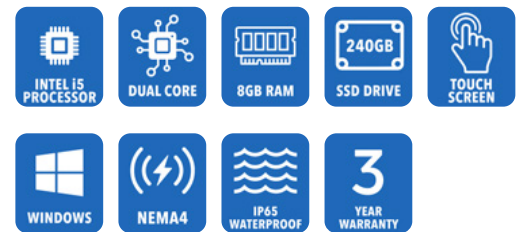
**AbraxSys**  
RUGGED LCD SOLUTIONS

## 24" Industrial NEMA 4 (IP65) Panel Mount Touch Screen Computer

Model PC2-PM-240

This series of rugged sunlight readable panel PCs is the ultimate solution for outdoor embedded computing and are ideally suited for high ambient light environments where dust, dirt, moisture, splashing water, hose directed spray, and various other caustic contaminants like oil, chemicals, etc. are commonplace. This advanced series features Standard: Intel 11th Generation Core I5-1145GRE (8M Cache, up to 4.10 GHz), 240GB Solid-State Drive (higher capacity available), 8GB memory (expandable to 32GB), a vast array of I/O and Ethernet ports, Intel's Tiger Lake graphics chipset, solid-state long-life LED backlighting, solid-state storage devices, and exceptional temperature ranges: Operating Temperature: -20°C to +60°C (14°F to 140°F).

As well, a multitude of add-on features are available to meet our customer's specific requirements.



# Technical Specifications

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## General

**Model:**  
PC2-PM-240

**Display Size**  
24.0"

**Display Type**  
Long-Life Industrial Grade LCD

**Backlight Technology**  
Solid State, Long-Life LED,  
with Light Source Redundancy

**Optical Films Enhancements**  
[Optical Bonding](#)

**Brightness**  
300 nits (cd/m2)

**Dimming Capabilities**  
Optional Full-Range Manual  
Turn-Pot, Automatic Dimming  
Sensor, Remote Dimming

**Contrast Ratio**  
1000:1

**Aspect Ratio**  
16:10

**Resolution**  
1920 x 1200 (WUXGA)

**Colors Supported**  
16 million

**Viewing Angles**  
-89° / 89° Horizontal  
-89° / 89° Vertical

**Video Inputs**  
DVI, HD15 (VGA), DisplayPort,  
Composite, S-Video, HD-SDI,  
4-Composite/NTSC-PAL, HDMI

**Optical Bonding**  
[Optical Bonding](#)

**Protective Window**

**Power Types**  
90 VAC to 264 VAC, 12V DC, 24V  
DC, 9 to 36V DC, 20 to 53V DC

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## Physical Attributes

**Front Bezel**  
High Grade 6061T Aluminum,  
Electrochemical Anodized for  
added Corrosion Resistance,  
Black Textured Finish per Military  
Standards FED-STD-595

**Rear Enclosure**  
High Grade 6061T Aluminum,  
Electrochemical Anodized for  
added Corrosion Resistance,  
Black Textured Finish per Military  
Standards FED-STD-595

**Panel Mounting**  
10-32 Stainless Mounting Studs,  
1/2" Exposed Thread

**Overall Dimensions**  
See Drawings

**Cutout**  
15.53 x 23.08 in  
(394.46 x 586.23 mm)

**Weight**  
~20 lbs.

**Sealability**  
NEMA 4 (IP65)

**Sunlight Readability**  
Sunlight Readable Model Available

**Warranty Period**  
3 Years

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## Environmental

**Sunlight Readability**  
Sunlight Readable Model Available

**Operating Temperature Range**  
-10°C to 60°C (14°F to 140°F)  
Extended Operational Temperature  
Ranges Available

**Storage Temperature**  
-40°C ~ 75°C (-40°F ~ 167°F)

**Humidity**  
5% to 95% RH (non-condensing)

**Shock**  
Operating: 30g's, 11ms, ½ Sine

**Vibration**  
Operating: 1g RMS 20-500Hz

**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.

**EMI**

FCC Class B pursuant to Part 15 of the FCC Rules

**Agency Compliance**  
CE**Altitude**

Operating 0 to 10,000 ft.  
Storage 0 to 40,000 ft.

**RoHS Compliant**

Yes

**Rating**

NEMA 4 / IP65

## Additional Add-On Options

**Touch Screen Technology**

NEMA 4 – IP65

**Custom Video Modes****Resistive****Multi-Touch Up to 10-Point PCAP****Hardened Armored Touch Technology****Customization Services****Power Type Choices**

90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 20 to 53V DC

**Conformal Coating of all Internal Circuit Boards****Private Labeling Services****Customization Services****Dimming Capabilities**

Standard, or Optional Full-Range Manual Turn-Pot, Automatic Dimming Sensor, Remote Dimming

**UltraSlim 4K/60 HDMI 2.0**

Extender over HDBaseT™ up to 330ft & PoH Extend pristine 4K/60 with HDR, 4:4:4 with bi-directional IR, RS-232 & LAN  
[Click for More Info](#)

**Sunlight Readable Model Available****PCI Expansion**

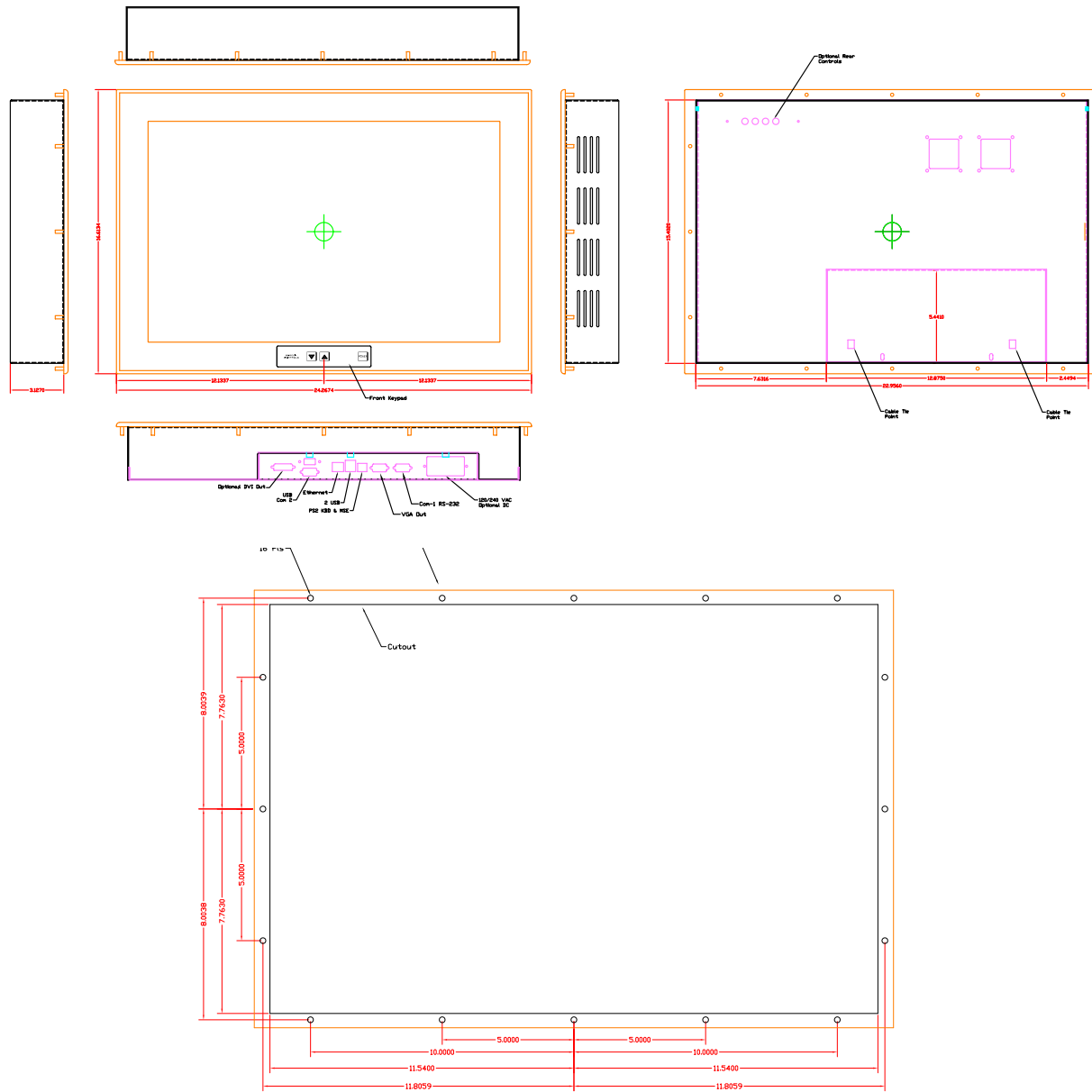
NEMA 4X IP66 Stainless Steel Front Bezel

**Optical Bonding****Sunlight Readable Model Available****Dual Ethernet Ports****Sunlight Readability Model****Operating Systems**

Windows 10 IOT Enterprise

**Larger Storage Devices****Dual Drive Support available****RAID Support****Wi-Fi (wireless networking technology)**

# Mechanical Drawings



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



**AbraxSys**  
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