



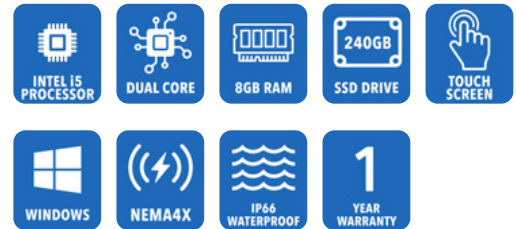
**AbraxSys**  
RUGGED LCD SOLUTIONS

# 15" Industrial NEMA 4X (IP66) Panel Mount Touch Screen Computer

**Model PC2-PS-150**

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-PS-150

**Display Size**

15.0"

**Display Type**

Long-Life Industrial Grade LCD

**Backlight Technology**

Solid State, Long-Life LED,  
with Light Source Redundancy

**Optical Films Enhancements**

Optical Bonding

**Brightness**

500 nits (cd/m<sup>2</sup>)

**Dimming Capabilities**

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

**Contrast Ratio**

Exceptional 2500:1

**Aspect Ratio**

4:3

**Resolution**

1024 x 768 (XGA) Native

**Colors Supported**

16.7M (8-bit/color)

**Viewing Angles**

-88° / 88° Horizontal  
-88° / 88° Vertical

**User Controls**

Multi-Touch Up to 10-Point PCAP  
or 5-wire Resistive or Hardened  
Armored 5-wire Resistive

**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**

Gasket-Sealed Stainless Steel

**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**

13.64 x 16.50 x 3.00 in  
(346.45 x 419.10 x 66mm)

**Cutout**

12.2 x 15.06 in  
309.88 x 382.53mm

**Weight**

15 lbs. (6.8 Kg)

**Sealability**

NEMA 4X (IP66)

**Sunlight Readability**

Sunlight Readable Model Available

**Warranty Period**

1 Year

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## Environmental

**Sunlight Readability**

Sunlight Readable Model Available

**Operating Temperature Range**

-20°C to 60°C (-4°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

**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 4X / IP66

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## Additional Add-On Options

**Touch Screen Technology****Resistive****Multi-Touch Up to 10-Point PCAP****Hardened Armored Touch Technology****Extended Operational Temperature Ranges****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****Dimming Capabilities**

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

**Optional O/S**

Windows 10 PRO or 11 PRO

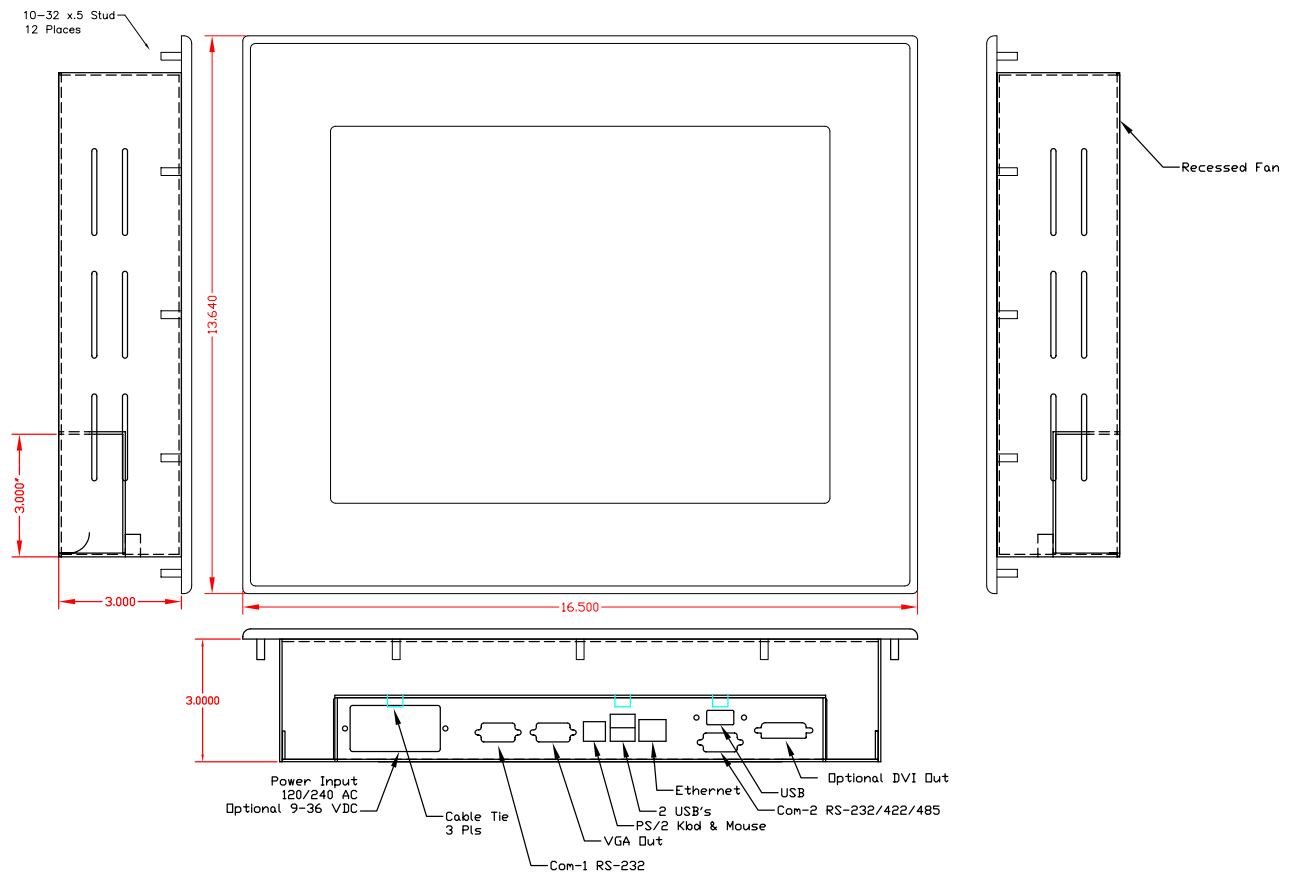
**Larger Storage Devices**

NEMA 4 IP65 Aluminum Front Bezel

Wi-Fi (wireless networking technology)

**Sunlight Readable Model Available**

# Mechanical Drawings



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



**AbraxSys**  
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