



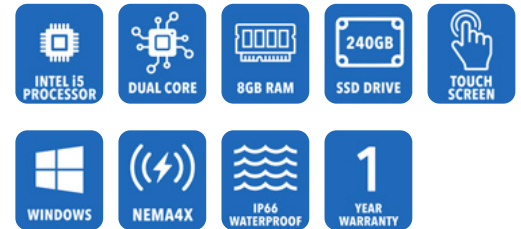
AbraxSys
RUGGED LCD SOLUTIONS

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

Model PC2-PS-170

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

General

Model:
PC2-PS-170

Display Size
17.0"

Display Type
Long-Life Industrial Grade LCD

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

Optical Films Enhancements
[Optical Bonding](#)

Brightness
350 nits (cd/m²)

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

Contrast Ratio
1000:1

Aspect Ratio
5:4

Resolution
1280 x 1024 (SXGA) Native

Colors Supported
16 million

Viewing Angles
-80° / 80° Horizontal
-70° / 70° 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

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
See Drawings

Cutout
13.56 x 16.56 in
(344.4 x 420.6 mm)

Weight
18 lbs. (8.1 Kg)

Sealability
NEMA 4X (IP66)

Sunlight Readability
Sunlight Readable Model Available

Warranty Period
1 Year

Environmental

Sunlight Readability
Sunlight Readable Model Available

Operating Temperature Range
-20°C to +70°C (158°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

Additional Add-On Options

Touch Screen Technology**Resistive****Multi-Touch 2-Point Resistive****Hardened Armored Touch Technology****Power Type Choices**

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

Extended Operational Temperature Ranges**Conformal Coating of all Internal Circuit Boards****Private Labeling Services****Customization Services****Optional O/S**

Windows 10 PRO or 11 PRO

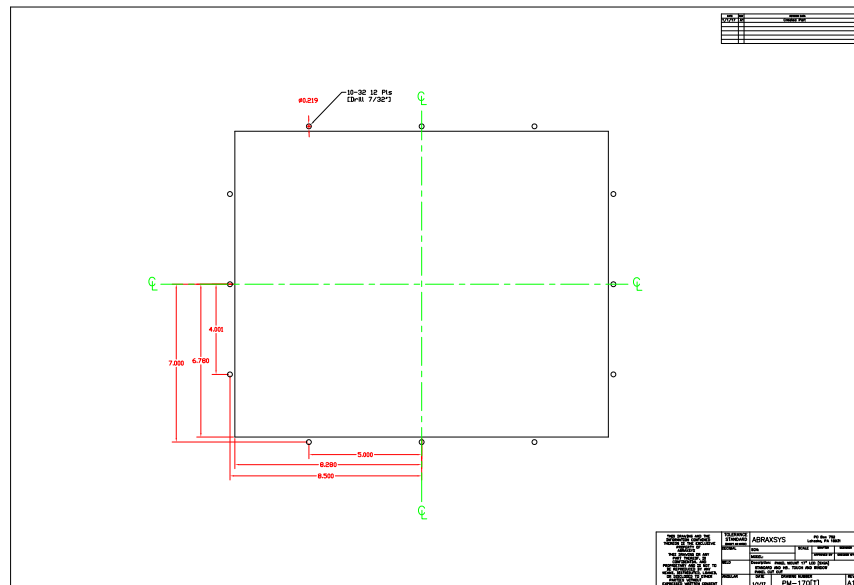
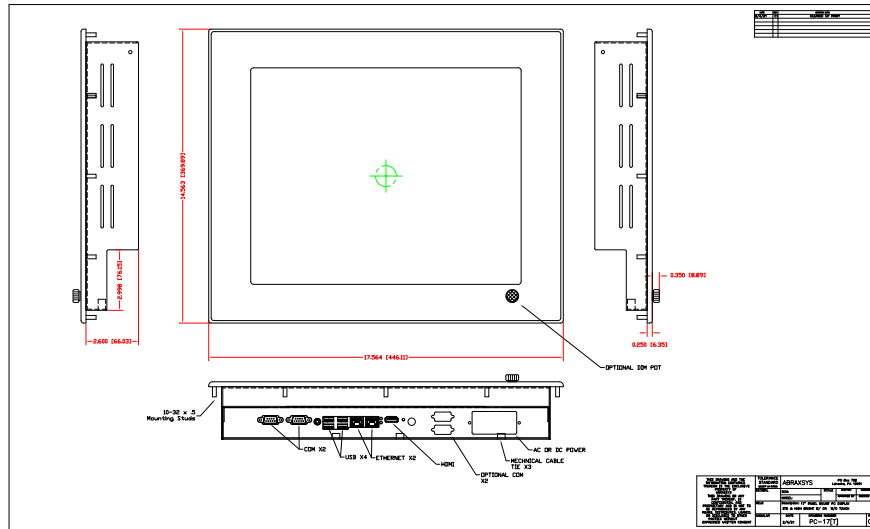
Larger Storage Devices

NEMA 4 IP65 Aluminum Front Bezel

Wi-Fi (wireless networking technology)

Sunlight Readability Model

Mechanical Drawings



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



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