



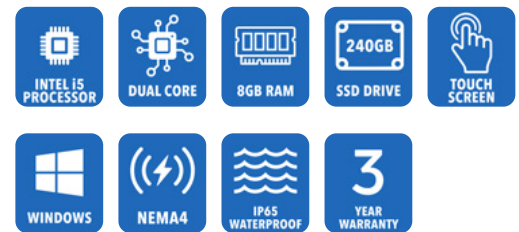
AbraxSys
RUGGED LCD SOLUTIONS

17" Sunlight Readable Industrial Grade IP65 (NEMA 4) Touch Screen LCD Flat Panel Computer

PC-PM-170

This series of rugged Panel PCs is the ultimate solution for industrial embedded computing and are ideally suited for harsh 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: 6th Generation Intel Core SoC i7 or i5 BGA Processor (i5-6300U, 2-Core, 2.4GHz | Optional: i7-6600U, 2-Core, 2.6GHz), 240GB Solid-State Drive (higher capacity available), 8GB memory (expandable to 32GB), a vast array of I/O and Ethernet ports, Intel's Skylake graphics chipset, solid-state long-life LED backlighting, solid-state storage devices, and exceptional temperature ranges: Operating Temperature: -10°C to 60°C (14°F to 140°F), Storage Temperature: -40°C ~ 75°C (-40°F ~ 167°F).

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



Technical Specifications

General

Model:

PC-PM-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

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

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

See Drawings

Weight

See Drawings

Sealability

NEMA 4 (IP65)

Sunlight Readability

Sunlight Readable Model Available

Warranty Period

3 Years

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

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

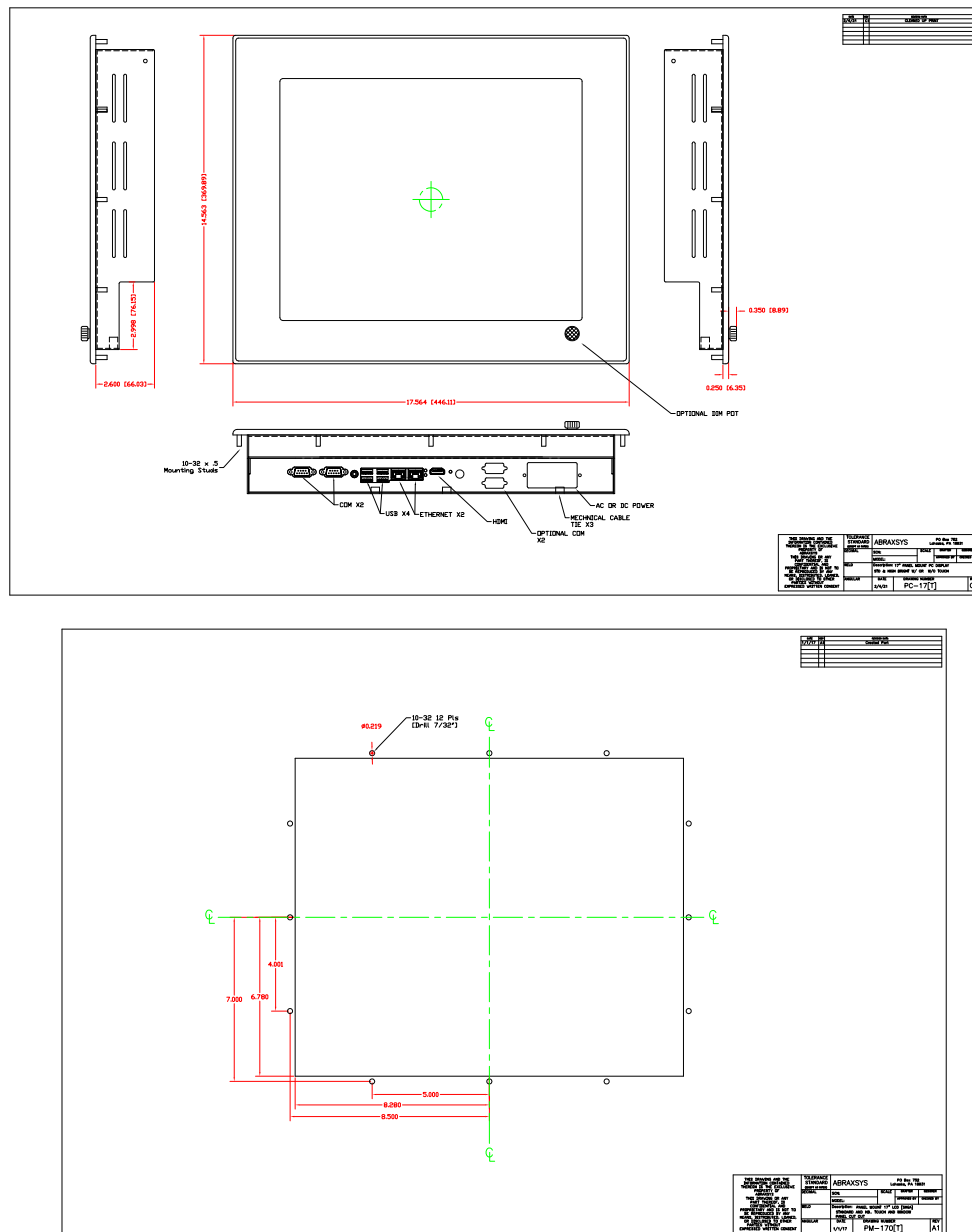
Dual Ethernet Ports**Sunlight Readability Model****Operating Systems**

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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