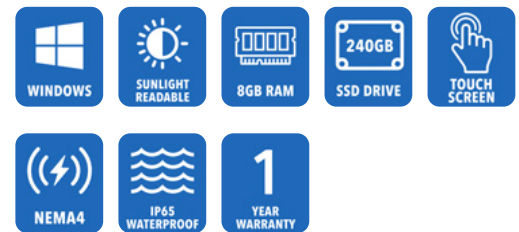# 17" Sunlight Readable Industrial Grade IP65 (NEMA 4) Touch Screen LCD Flat Panel Computer

Model SPC2-PM-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 Skylake graphics chipset, solid-state long-life LED backlighting, solid-state storage devices, and exceptional temperature ranges: Operating Temperature: -20°C to 60°C (-4°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.

WINDOWS | SUNLIGHT READABLE | 8GB RAM | 240GB SSD DRIVE | TOUCH SCREEN

NEMA4 | IP65 WATERPROOF | 1 YEAR WARRANTY

Technical Specifications

General

Model
SPC2-PM-170

Display Size
17.0"

Display Type
Long-Life Industrial Grade Active Matrix TFT LCD

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

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.

Brightness
1200 nits (cd/m2)

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

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
Front Keypad (can also be configured for rear controls, or Manual Full-Range Dimming Turn Pot, Automatic Dimming Sensor, or Remote Dimming)

Optical Bonding
Optical Bonding

Power Types
90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 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
13.56 x 16.56 in
(344.4 x 420.6 mm)

Weight
18 lbs. (8.1 Kg)

Sealability
NEMA 4 (IP65)

Sunlight Readability
The latest optical technology for high ambient light conditions

Warranty Period
1 Year

Environmental

Sunlight Readability
The latest optical technology for high ambient light conditions

Operating Temperature Range
-20°C to 60°C (-4°F to 140°F)

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
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

Resistive

Multi-Touch Up to 10-Point PCAP

Hardened Armored Touch Technology

Extended Operational Temperature Ranges

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
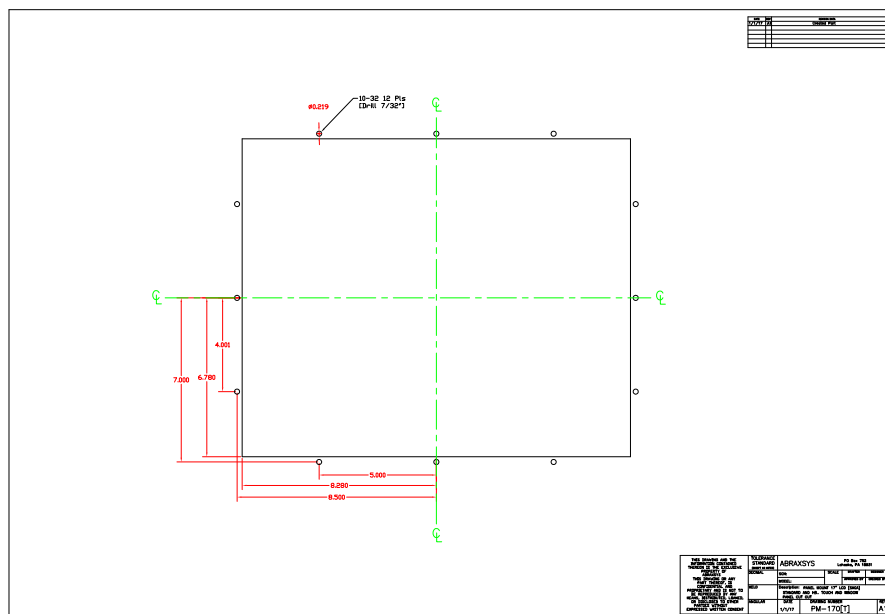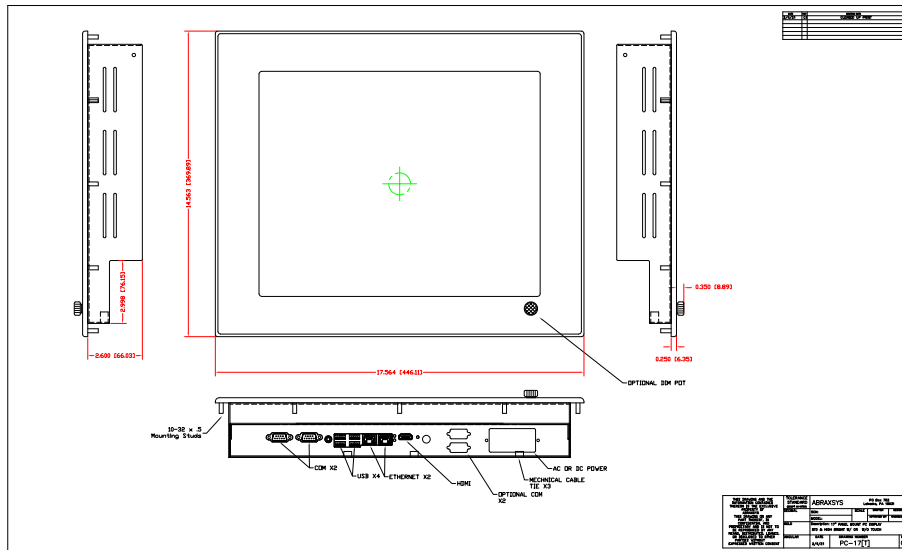
Optional O/S
Windows 10 PRO or 11 PRO

Larger Storage Devices

NEMA 4X IP66 Stainless Steel Front Bezel

Wi-Fi (wireless networking technology)

Mechanical Drawings

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