



AbraxSys
RUGGED LCD SOLUTIONS

18.5" Stainless Steel Panel PC 1080P High Bright Wide Video Format NEMA 4X (IP66) Touch Screen

Model SPC2-PS-185

This series of rugged sunlight readable 1500 nits brightness 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: 6th Generation Intel Core SoC i5 BGA Processor (i5-1145G7E/GRE, quad-core, 4.1GHz), 240GB Solid-State Drive (higher capacity available), 8GB memory (expandable to 32GB/64GB), 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.



Technical Specifications

General

Model
SPC2-PS-185

Display Size
18.5"

Display Type
Long-Life Industrial Grade LCD

Backlight Technology
Long-Life Advanced LED
Backlighting, over 100,000 Hours
Half-Life

Optical Films Enhancements
Optical Film 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.
[CLICK HERE for more information](#)

Brightness
1500 nits (cd/m2)

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

Contrast Ratio
1000:1

Aspect Ratio
16:9

Resolution
1920 x 1080 (1080p)

Colors Supported
16.7M (8-bit/color)

Viewing Angles
-88° / 88° Horizontal
-88° / 88° Vertical

Optical Bonding
[Optical Bonding](#)

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
11.959 x 18.628 in
(303.76 x 473.16mm)

Weight
See Drawings

Sealability
NEMA 4X (IP66)

Sunlight Readability
The latest optical technology for high ambient light conditions

Warranty Period
1 Year

Environmental

Sunlight Readability
Sunlight Readable Model Available

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

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**Resistive****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**

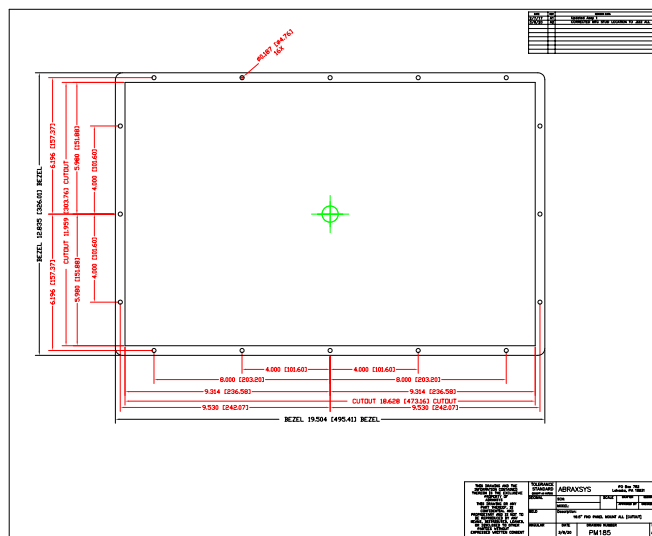
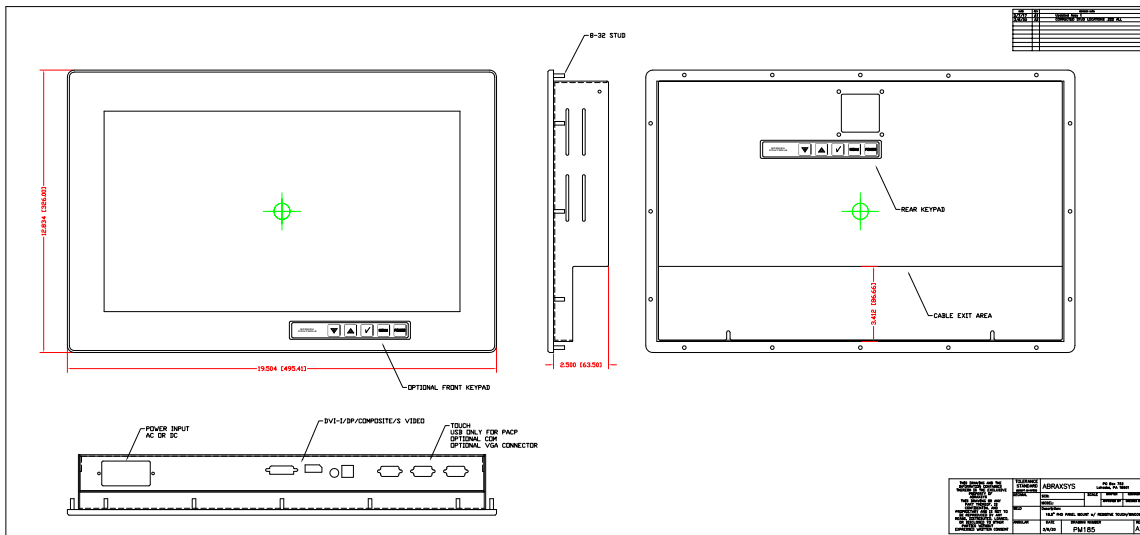
Standard, or Optional Full-Range Manual Turn-Pot, Automatic Dimming Sensor, Remote Dimming

Optional O/S

Windows 10 PRO or 11 PRO

Larger Storage Devices**NEMA 4 IP65 Aluminum Front Bezel****Wi-Fi (wireless networking technology)**

Mechanical Drawings



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



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