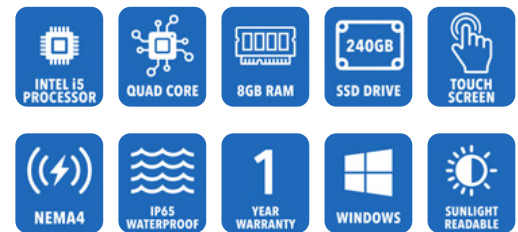# 21.5" Industrial Grade Sunlight Readable High Bright NEMA 4 (IP65) Panel Mount Touch Screen Computer

Model SPC2-PM-215

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: 6th Generation Intel Core SoC i7 or i5 BGA Processor Intel® Core™ i5-1145G7E, i5-1145GRE (up to 4.1GHz, quad-core), 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.

INTEL i5 PROCESSOR	QUAD CORE	8GB RAM	240GB SSD DRIVE	TOUCH SCREEN
NEMA4	IP65 WATERPROOF	1 YEAR WARRANTY	WINDOWS	SUNLIGHT READABLE

Technical Specifications

General

Model
SPC2-PM-215

Display Size
21.5"

Display Type
Long-Life Industrial Grade Active Matrix TFT LCD

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

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
1600 nits (cd/m2)

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

Contrast Ratio
800:1

Aspect Ratio
16:9

Resolution
1600 x 1200 (UXGA)

Colors Supported
16 million

Video Inputs
DVI, HD15 (VGA), HDMI, DisplayPort, 4-Composite/NTSC-PAL, S-Video, SDI

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
See Drawings

Weight
TBD

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
NEMA 4 – IP65

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

Operating Systems
Windows 10 PRO

Larger Storage Devices

Dual Drive Support available

PCI Expansion

NEMA 4X IP66 Stainless Steel Front Bezel

Optical Bonding

Wi-Fi (wireless networking technology)

Mechanical Drawings

AbraxSys
RUGGED LCD SOLUTIONS

(800) 883-9050
info@abraxsyscorp.com
www.abraxsyscorp.com

6161 Keller's Church Road, Units 6151B, 6161A, 6161B, 6171A & 6171B
Pipersville, Pennsylvania 18947 U.S.A.