



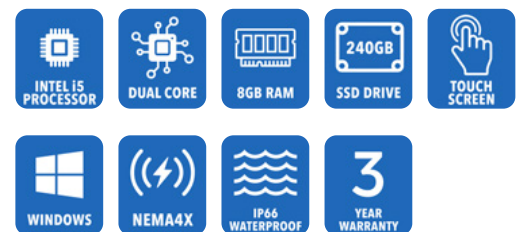
AbraxSys
RUGGED LCD SOLUTIONS

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

Model PC-PS-190

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.



Technical Specifications

General

Model: PC-PS-190	Dimming Capabilities Optional Full-Range Manual Turn-Pot, Automatic Dimming Sensor, Remote Dimming	Viewing Angles -89° / 89° Horizontal -89° / 89° Vertical
Display Size 19.0"	Contrast Ratio 1000:1	Optical Bonding Optical Bonding
Display Type Long-Life Industrial Grade LCD	Aspect Ratio 5:4	Protective Window
Backlight Technology Solid State, Long-Life LED, with Light Source Redundancy	Resolution 1280 x 1024 (SXGA) Native	Power Types 90 VAC to 264 VAC, 12V DC, 24V DC, 9 to 36V DC, 20 to 53V DC
Optical Films Enhancements Optical Bonding	Colors Supported 16 million	
Brightness 350 nits (cd/m2)		

Physical Attributes

Front Bezel Gasket-Sealed Stainless Steel	Panel Mounting 10-32 Stainless Mounting Studs, 1/2" Exposed Thread	Weight ~20 lbs.
Rear Enclosure High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595	Overall Dimensions 19.00 x 15.720 x 3 in (482.6 x 399 x 66mm) (see drawings)	Sealability NEMA 4X (IP66)
	Cutout 14.582 x 17.862 in (370.38 x 453.69 mm) (see drawings)	Sunlight Readability Sunlight Readable Model Available
		Warranty Period 3 Years

Environmental

Sunlight Readability Sunlight Readable Model Available	Storage Temperature -40°C ~ 75°C (-40°F ~ 167°F)	Shock Operating: 30g's, 11ms, ½ Sine
Operating Temperature Range -10°C to 60°C (14°F to 140°F)	Humidity 5% to 95% RH (non-condensing)	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

NEMA 4 – IP65

Custom Video Modes**Resistive****Extended Operational
Temperature Ranges****Multi-Touch Up to 10-Point PCAP****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

**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](#)

PCI Expansion

NEMA 4X IP66 Stainless
Steel Front Bezel

Optical Bonding**Sunlight Readable
Model Available****Dual Ethernet Ports****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.



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