

ACUPANEL - APNL

SPECIFICATION SHEET

Version 1.3



IP65 Front Washable Industrial Panel PC

Engineered in Canada for the World's Toughest Demands.



OVERVIEW:

Introducing the Acura **AcuPanel**, our next generation fanless industrial Panel PC, meticulously designed and manufactured in Canada to redefine rugged computing. Built for the most extreme environments, the AcuPanel delivers uncompromising performance and seamless integration, making it the ideal computing unit for mission-critical applications where reliability cannot be compromised.

Cutting-Edge Processing:

Featuring an Intel Core i5 or i7, the AcuPanel delivers efficient, multi-threaded performance for data-intensive tasks and complex applications.

Blazing Fast Memory & Storage:

Power your operations with up to 32GB DDR5 RAM and expansive storage options up to two 4TB SSD with RAID control for ultimate data integrity.

Fanless:

Our patented passive cooling aluminum alloy chassis and fanless design ensures silent, reliable 24/7 operation without moving parts.

Flexible Mounting Options:

Panel and VESA mount compatibility ensures seamless integration into diverse industrial setups. It maintains exceptional stability and long-term reliability, making it a versatile solution for industrial applications and environments.

Extreme Temperature Ready:

Operates flawlessly across a wide temperature range from -40°C to +60°C, ensuring dependable performance in the harshest climates, from scorching deserts to freezing Canadian winters.

Optional IP65 Fully Sealed:

Select sizes available in a fully sealed, IP65 chassis, providing peace of mind for applications that demand more durability and resistance to the elements.



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SYSTEM	
Display	LED Backlit LCD 500 NITS (1000 NITS Optional) Available in 16:9 or 4:3 Aspect Ratio Projected Capacitive Multitouch (10 point)
Processor	Intel Core i5 or i7
Storage	Up to 4TB M.2 NVME SSD Optional 2 nd SATA SSD up to 4TB (RAID 0, 1 Configurable)
Memory	Up to 32 GB DDR5 RAM
Power Input	9-36V DC (Vehicle Ignition Optional)
Operating System	Windows 10 IoT, 11 IoT, 11 Pro, or Linux

I/O	
Video	1 x HDMI, 1 x VGA
LAN	2 x RJ45 GBE
USB	4 x USB 3.2
Serial	1 x RS232 or RS485
Wireless	WiFi 6E / Bluetooth (Intel AX210) 4G / 5G / LTE / GPS Optional
Audio	1 x Line out, 1 x Mic Built-in Speaker

ENVIRONMENTAL	
Operating Temp	-40°C to +60°C (-40°F to +140°F)
Storage Temp	-40°C to +70°C (-40°F to +158°F)
Relative Humidity	< 95% Non-condensing
Certifications	CSA, UL, FCC, UKCA
Ingress Protection	IP65 - Front Panel
HazLoc Certifications	ATEX, C1D2, C1Z2

MECHANICAL (based on 15.6")	
Mounting	Panel and VESA Support
Weight	3.4 kg (7.5 lbs)
Dimensions (W x H x D)	396mm X 273mm X 55mm 15.6" x 10.7" x 2.2"
Construction	Aluminum Alloy



BUMPER TO BUMPER

3 YEAR PRODUCT WARRANTY

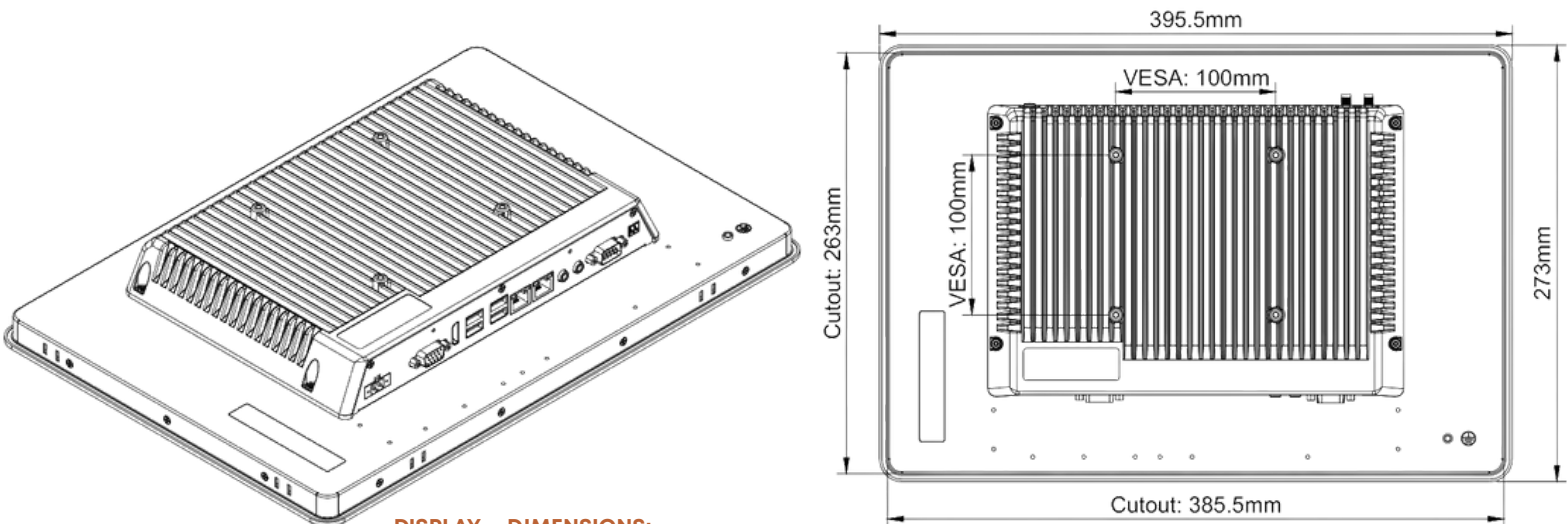
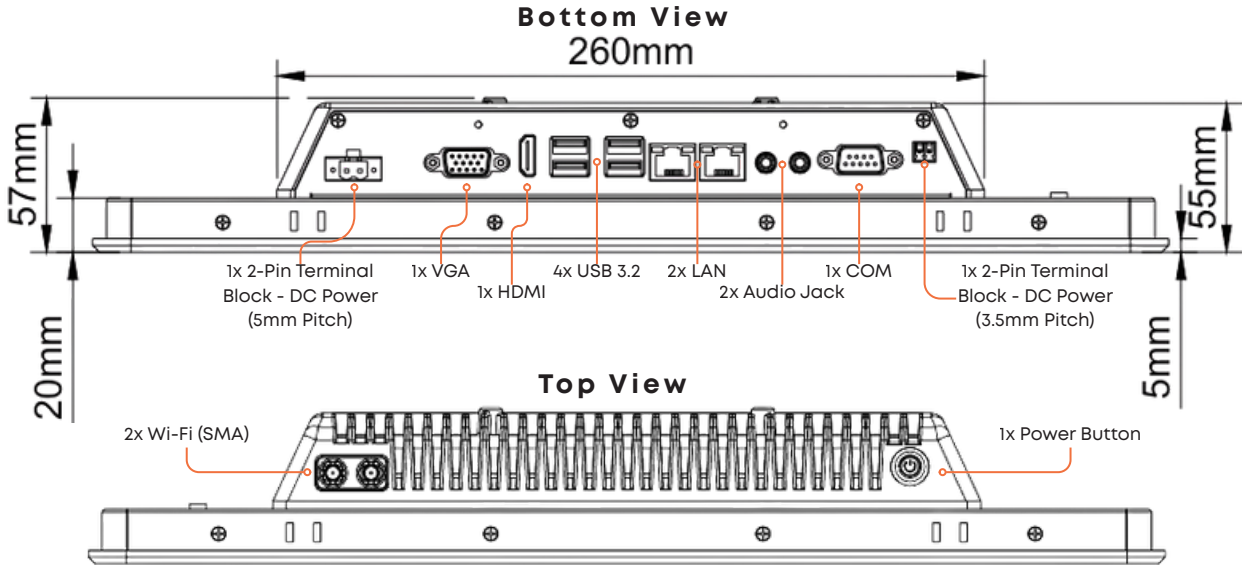
Although our systems are built for extreme environments and outcomes, they can still be damaged. We understand accidents happen on the field and are here to ensure the reduction of your operational downtime.

MODEL NUMBERS	
Standard	APNL
HazLoc	APNL-Z2

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DISPLAY SIZE:	DIMENSIONS: (W x H x D)	RATIO:	RESOLUTION:	WEIGHT:
10.1"	279 x 213 x 55	16:10	1920 x 1080	2.5 kg - 5.5 lbs
10.4"	272 x 216 x 55	4:3	1024 x 768	2.4 kg - 5.3 lbs
12"	315 x 246 x 55	4:3	1024 x 768	3.0 kg - 6.6 lbs
12"	297 x 239 x 55	16:9	1920 x 1080	2.7 kg - 5.9 lbs
13"	343 x 236 x 55	16:9	1920 x 1080	3.5 kg - 7.7 lbs
15"	372 x 314 x 55	4:3	1024 x 768	3.6 kg - 7.9 lbs
15.6"	396 x 273 x 55	16:9	1920 x 1080	3.4 kg - 7.5 lbs
17"	402 x 357 x 55	4:3	1024 x 768	4.4 kg - 9.7 lbs
17.3"	437 x 267 x 55	16:9	1920 x 1080	4.3 kg - 9.5 lbs
18.5"	465 x 309 x 55	16:9	1920 x 1080	5.5 kg - 12.1 lbs
19"	438 x 385 x 55	4:3	1280 x 1024	4.8 kg - 10.5 lbs
21.5"	532 x 350 x 55	16:9	1920 x 1080	9.0 kg - 14.8 lbs
24"	584 x 378 x 55	16:9	1920 x 1080	7.3 kg - 16.1 lbs
32"	749 x 447 x 55	16:9	1920 x 1080	11.5 kg - 25.4 lbs

Note: Dimensions are in millimeters.