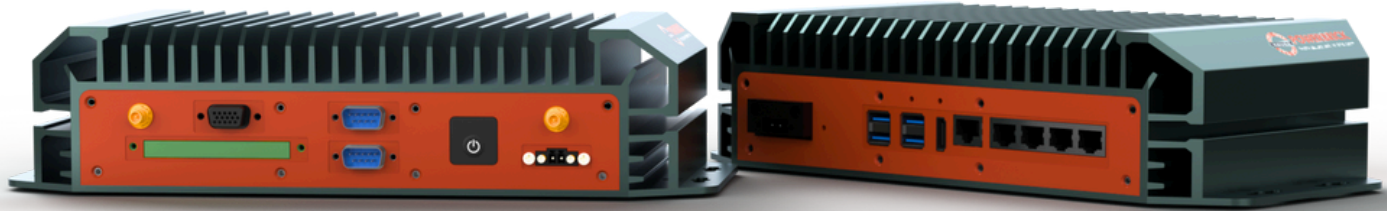


POWERBRICK X - PBXG1

SPECIFICATION SHEET

Version 1.3



*Exceptional Power. Relentless Dependability. Wherever You Need It.
Engineered in Canada for the World's Toughest Demands.*



OVERVIEW:

Introducing the Acura **PowerBrick X**, our next generation fanless industrial PC, meticulously designed and manufactured in Canada to redefine rugged computing. Built for the most extreme environments, the PowerBrick X 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 the Intel Core Ultra 5 125H or Ultra 7 165H processor, the PowerBrick XS delivers efficient, multi-threaded performance for data-intensive tasks and complex applications.

Blazing Fast Memory & Storage:

Power your operations with up to 64GB DDR5 RAM and expansive storage options up to two 4TB SSDs with RAID control for ultimate data integrity.

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.

Vehicle Ready:

With a 9-36V DC input and an optional vehicle ignition start, the vibration resistant PowerBrick X can be used for rugged in-vehicle deployments, powering on automatically with your fleet.

Fanless:

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

Optional Power Over Ethernet:

Streamline your vehicle setup with 4 optional PoE ports, capable of powering dash cameras and other peripherals directly from the unit.



contact@acuraembedded.com

+1 604 502 9666

Unit 101 - 17825 64 Ave
Surrey, BC Canada V3S 1Z3

13656 Breton Ridge,
Houston, Texas, 77070 USA

Airfield Business Park, Leicester Road,
Market Harborough, LE16 7WB, UK

Office #11, Mussafah M25, Saudi
Kitchen Bldg, Abu Dhabi. UAE

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SYSTEM	
Processor	Intel Core Ultra 5 125H (Meteor Lake) Intel Core Ultra 7 165H Optional
Storage	Up to 4TB M.2 NVME SSD Optional 2 nd SATA SSD up to 4TB (RAID 0, 1 Configurable)
Memory	Up to 64 GB DDR5 RAM
Power Input	9-36V DC (Vehicle Ignition Optional)
Operating System	Windows 10 IoT, 11 IoT, 11 Pro, or Linux
Graphics	Intel® Arc™

I/O	
Video	1 x HDMI, 1 x VGA
LAN	1 x RJ45 GBE, up to 4 x PoE
USB	4 x USB 3.2
Serial	2 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
GPIO	Optional

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
HazLoc Certifications	ATEX, C1D2, C1Z2

MECHANICAL	
Mounting	Wall Mount Support
Weight	2.49kg (5.49 lbs)
Dimensions (W x H x D)	316mm x 72mm x 145mm 12.4" x 2.8" x 5.7"
Construction	Aluminum Alloy

MODEL NUMBERS	
Standard	PBXG1
HazLoc	PBXG1-Z2



BUMPER TO BUMPER

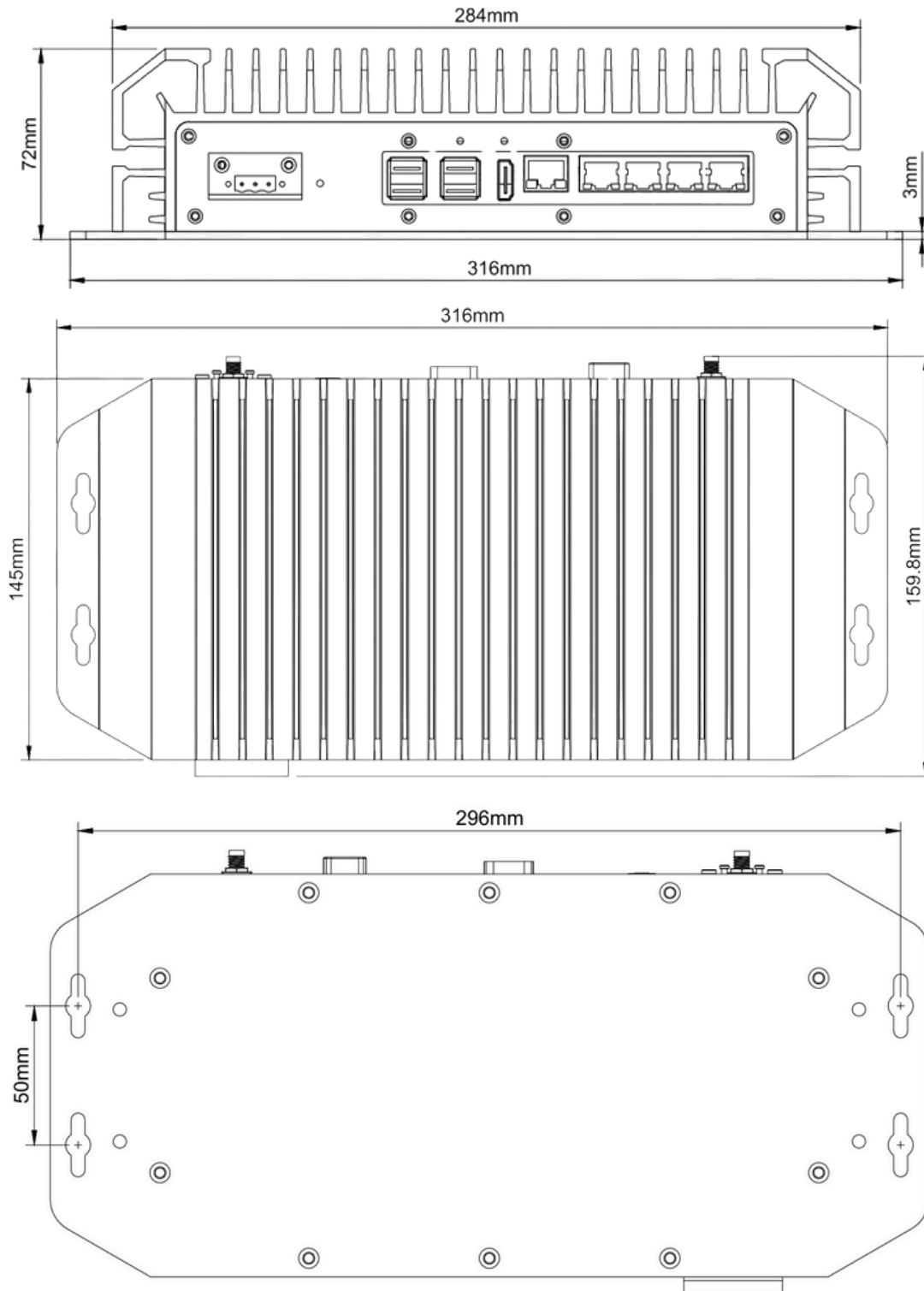
3 YEAR PRODUCT WARRANTY

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.

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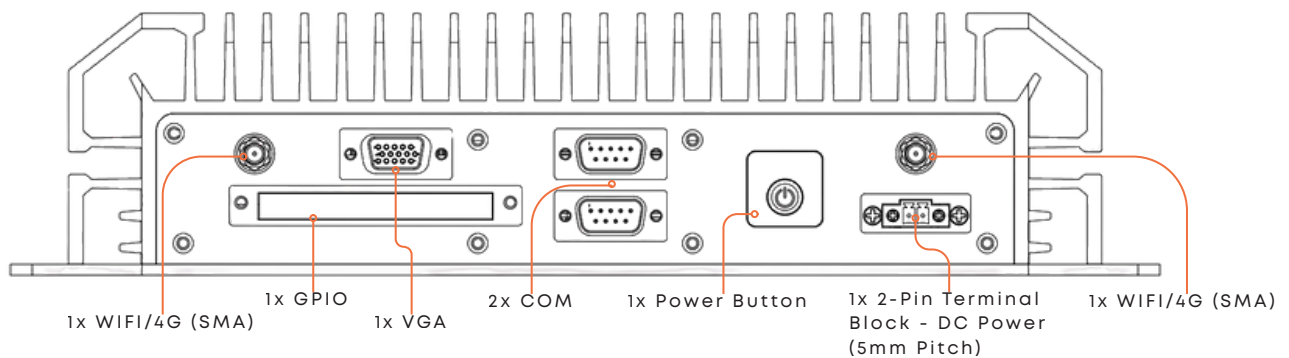
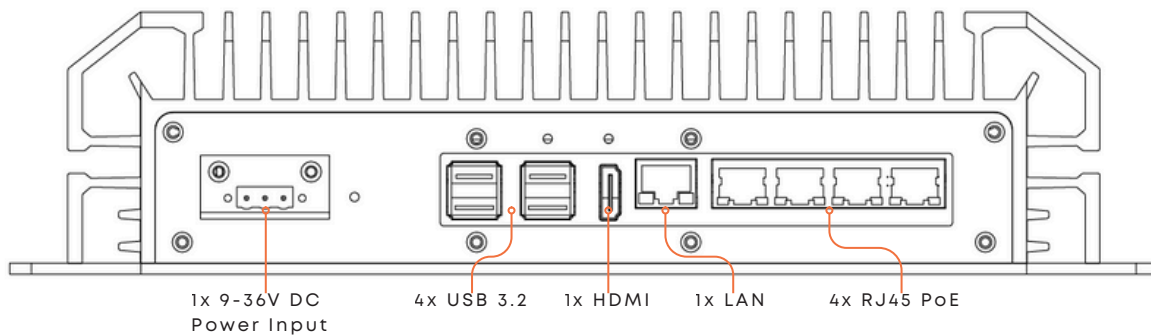
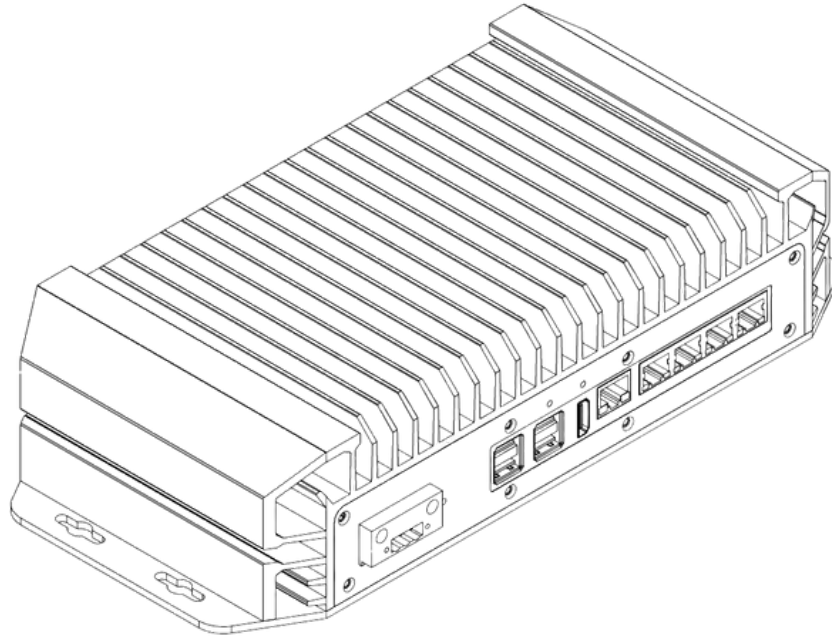
Version 1.3



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For more information about Acura Embedded Systems' history, products, and solutions, visit us at

ACURAEMBEDDED.COM

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