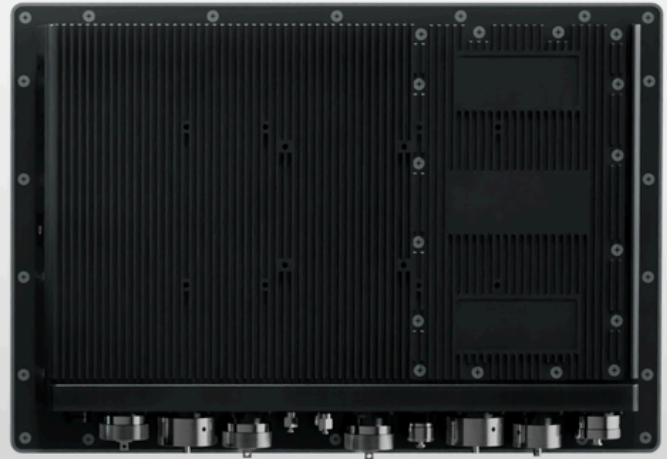


ROUGHNECK 15.6

SPECIFICATION SHEET



Introducing RoughNeck, our modular rugged panel PC. Fully customizable and Class 1 Division 2 certified.

CUTTING-EDGE PROCESSING

Available with 12th Gen or 14th Gen Intel® processors for efficient, multi-threaded performance.

MEMORY & STORAGE

Supports up to 64GB of DDR5 RAM and up to two 4TB SSDs with optional RAID configurations for enhanced performance and data protection.

BUILT FOR HAZLOC ENVIRONMENTS

Available in 15.6" and 21.5" widescreen models. Customizable, certified, and tested for reliable operation in the harshest conditions.

FULLY CUSTOMIZABLE I/O

Choose only the connectors you need. The modular design makes it easy to match the system to your exact requirements.



DESIGNED FOR YOUR NEEDS


A dedicated space for custom board integration allows us to easily install pressure decoders, modems, or other hardware into the system.



OPTIONAL AIRJET COOLING

AirJet's active, solid-state cooling technology is available for up to 30% improved thermal performance in extreme temperature environments.



 contact@acuraembedded.com
 +1 604 502 9666

 Unit 101 - 17825 64 Ave
Surrey, BC Canada V3S 1Z3
 13656 Breton Ridge,
Houston, Texas, 77070 USA

 XL House, Blackburn Business Park, Woodburn
Road, Blackburn, Aberdeenshire, AB21 0PS UK
 Office #11, Mussafah M25, Saudi
Kitchen Bldg, Abu Dhabi. UAE

ROUGHNECK 15

SPECIFICATION SHEET

Version 1.4

SYSTEM

Display: 15.6" LED Backlit LCD 1920x1080 (16:9) 1000 NIT Projected Capacitive Multitouch
Processor: 12 th Gen Intel® Core™ i5 (1235U) / i7 (1255U) / 14 th Gen Intel® Core™ Ultra 5 (135U) / 7 (165U)
Storage: Up to 4TB M.2 NVME SSD Optional 2 nd 2.5" SATA SSD up to 4TB (RAID 0,1 Configurable)
Memory: 8GB / 16GB / 32GB / 64GB DDR5 RAM
Power input: 110-240V AC / 9-36V DC
Operating System: Windows 10 IoT / 11 IoT / 11 Pro / Linux

I/O*

*I/O is configurable

Video: 1x HDMI (Optional - not available in Hazloc certified model)
LAN: Up to 2x RJ45 GBE Optional 4x Power Over Ethernet (PoE) Expansion Slot
USB: Up to 3x USB 3.0
Serial: 1x RS232 or RS485 (Optional)
Wireless: WiFi 6E, Bluetooth Optional 4G / 5G / LTE / 900Mhz radio
Connectors: Industrial / Marine / EX

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
Ingress Protection: IP65 - All Sides
Certifications: CSA, UL, CE, FCC, UKCA, RoHS
HazLoc Certifications: ATEX, C1D2, C1Z2, IECEx

MECHANICAL

Mounting: Chain, VESA support
Weight: 6.0kg (13.23lbs)
Dimensions: 422mm X 289.5mm X 66.3mm (16.61" x 11.40" x 2.61")
Construction: Aluminum alloy

MODEL NUMBERS

Standard: ROUGHWD
ATEX/C1D2/C1Z2: M-ROUGHWD
IECEx: IEC-ROUGHWD

BUMPER TO BUMPER

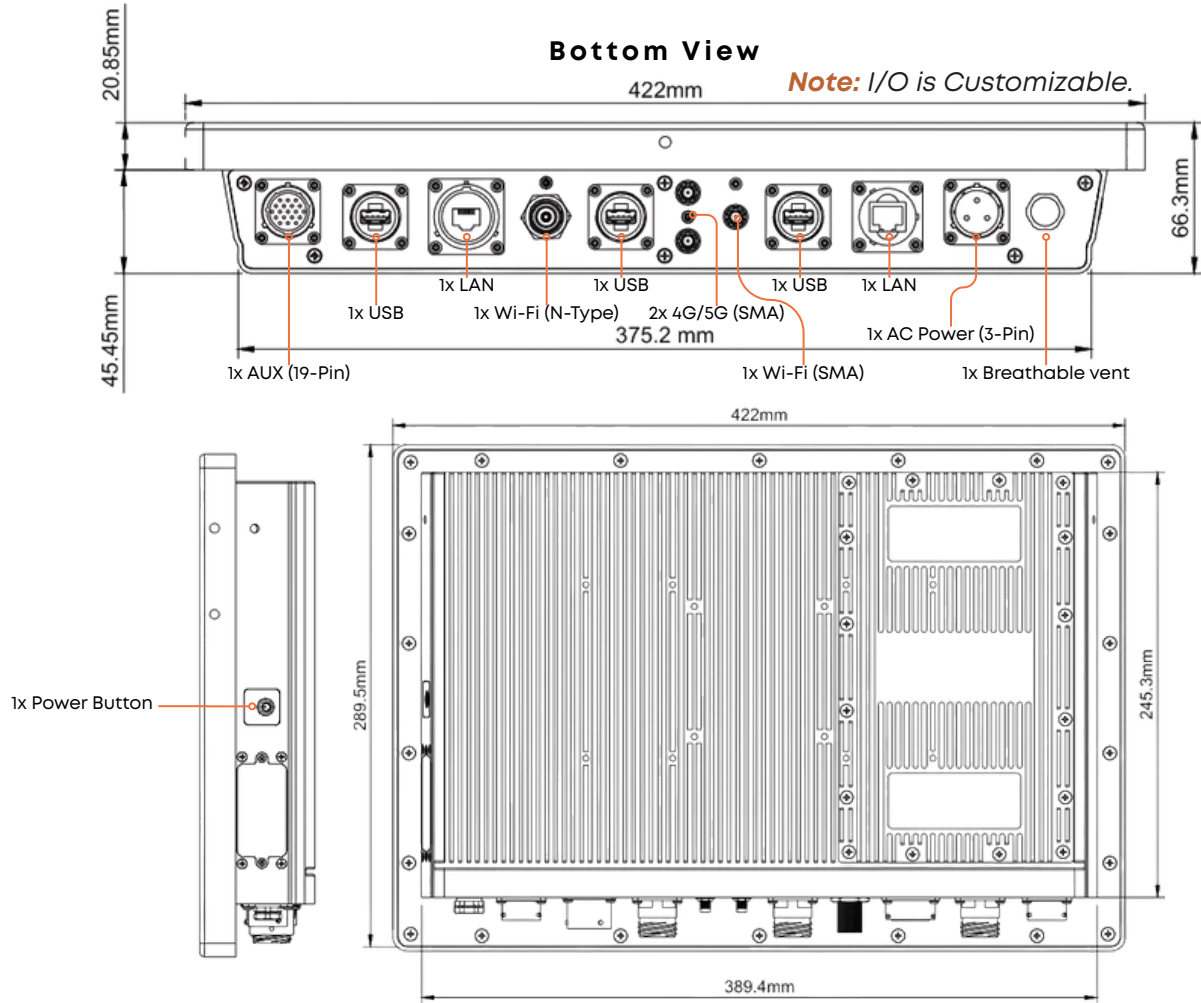
3 YEAR PRODUCT WARRANTY

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.

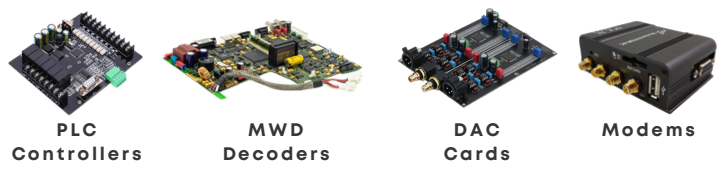
ROUGHNECK 15

SPECIFICATION SHEET

Version 1.4



We Help **Embed** and **Certify** your Technologies



And Many More...

