

RoughNeck 22

Hazloc Outdoor
Panel PC



Our Customizable Flagship Fully Sealed Panel PC. Out Most Capable, High-Performance, Lightweight and Flexible.



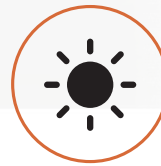
-40°C TO +60°C



LIGHTWEIGHT
AVERAGE 24 LBS



IECEx
CLASS 1 DIV 2
ATEX CERTIFIED



SUNLIGHT
READABLE



WIRELESS
CONNECTIVITY

Engineered for Hazardous Locations

RoughNeck 22 integrates advanced engineering with unmatched durability, providing a reliable and efficient solution for industries like oil and gas, mining, and manufacturing, where safety, performance, and reliability are essential for demanding operations and harsh, challenging environments.

Bright, Sunlight Readable Display

Featuring a 22" capacitive LCD touchscreen, RoughNeck 22 offers precise touch functionality, even with gloves. Its high-visibility display ensures consistent performance in both indoor and outdoor environments, providing long-lasting reliability in tough industrial settings.

Tailored Integration for Performance

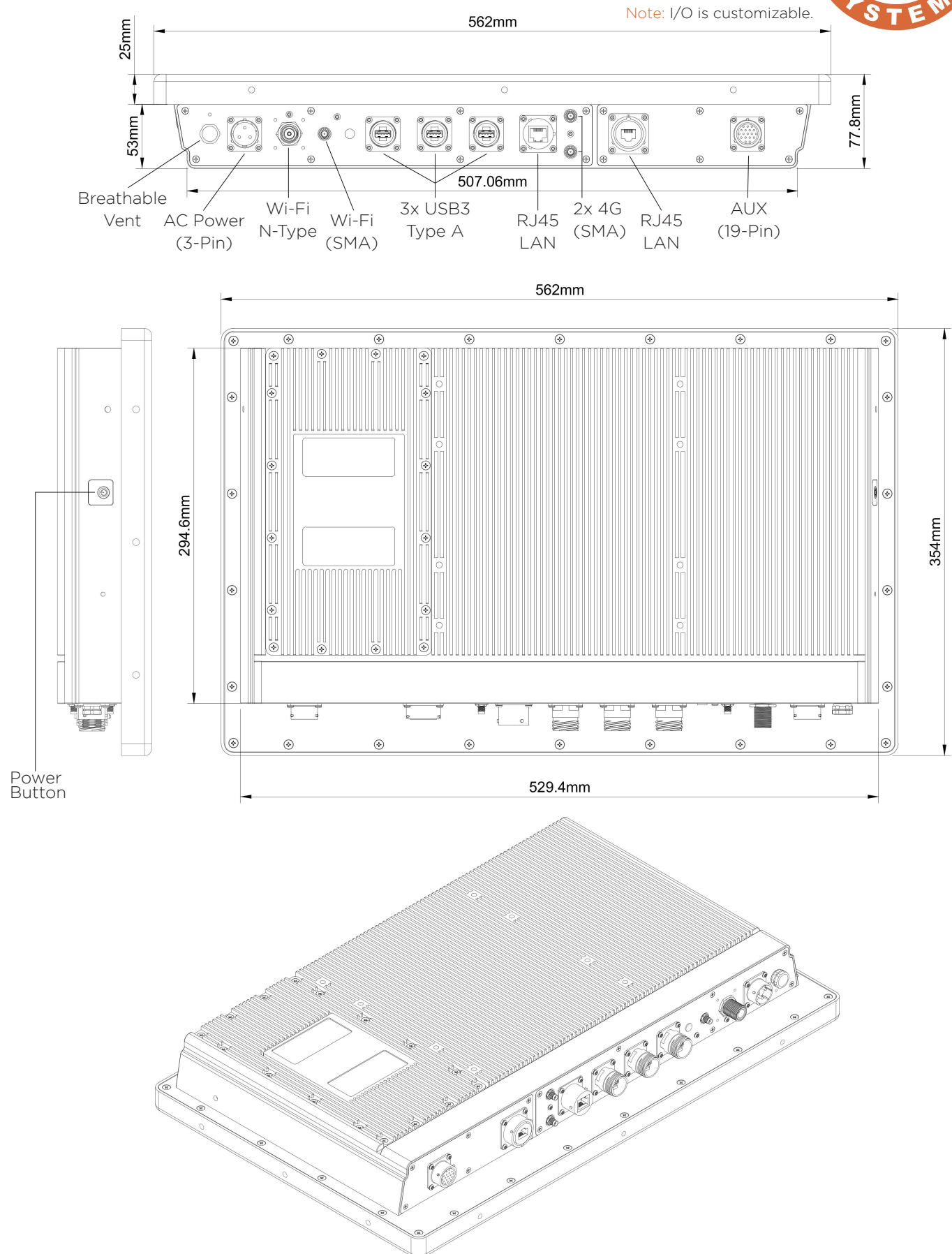
Offering custom board integration space for pressure decoders or modems, ensuring seamless performance, reliability, and adaptability in harsh environments, making it an ideal choice where custom functionality and rugged performance are required in extreme conditions.

HAZLOC CERTIFIED AND PROVEN



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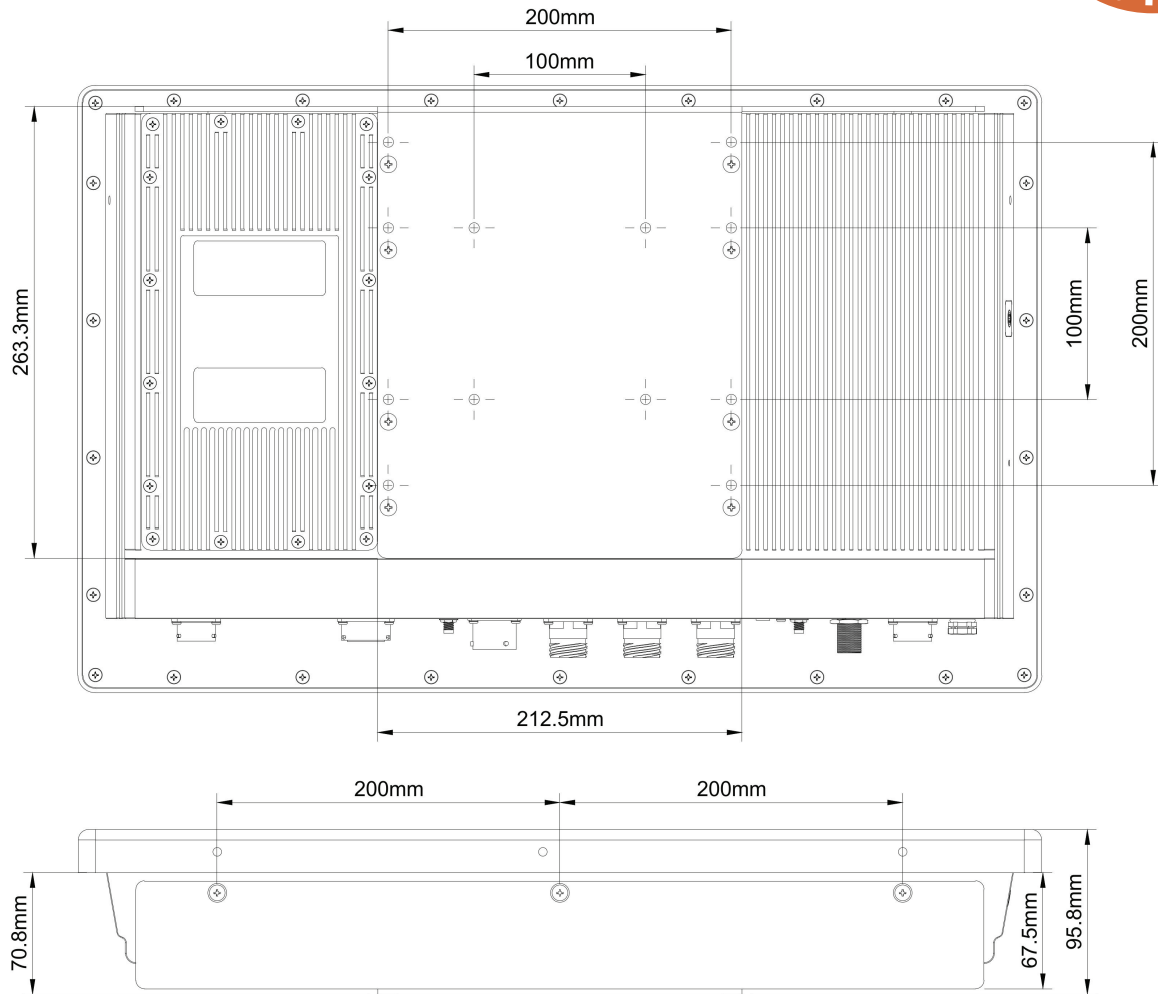


Note: Dimensions are in millimeters.

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VESA Mounting & Extension



PLC Controllers



DAC Cards



MWD Decoders

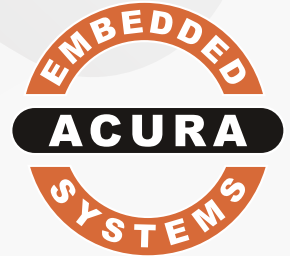


Modems

Note: Dimensions are in millimeters.

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FULLY CUSTOMIZABLE | PRODUCT SPECIFICATIONS

SYSTEM

SCREEN SIZE	22" LCD (16:9)
PROCESSOR	INTEL i5 OR i7 CPU
BRIGHTNESS	500 - 1000 NITS
MEMORY	UP TO 64 GB
SCREEN RESOLUTION	1920X1080
TOUCH SCREEN	CAPACITIVE MULTI TOUCH
POWER INPUT	110-240V AC OR 9-36V DC
OPERATING SYSTEM	WINDOWS OR LINUX
STORAGE	1X NVME, 1X 2.5 SSD (OPT)

I / O (CUSTOMIZABLE)

SERIAL PORT	1x RS232 OR RS485
LAN	1x RJ45 PORT GBE
USB	3x USB
POE	24V OR 48V (OPTIONAL)
WIFI	INTEL AX210 WIFI6/BT
WIRELESS	4G/LTE/900 MHz RADIO(OPT)
CONNECTORS	INDUSTRIAL / MIL-GRADE

ENVIRONMENTAL

OPERATING TEMP	-40°C TO 60°C (-40°F TO 140°F)
STORAGE TEMP	-40°C TO 60°C (-40°F TO 140°F)
RELATIVE HUMIDITY	<96% (NON CONDENSING)
CERTIFICATIONS	IECEX, CID2, CSA / UL, ATEX, CE, FCC, INTL, UKCA
IP RATING	IP65 - ALL SIDES
BODY	FULLY SEALED CHASSIS

MECHANICAL

MOUNTING	CHAIN, PANEL AND WALL VESA MOUNT 200 x 100 mm 100 x 100 mm
WEIGHT	10.8 KG - 24.0 LBS
DIMENSIONS	22.1" x 13.9 x 2.9" 56.2 x 35.4 x 7.6 cm
CONSTRUCTION	ALUMINUM ANODIZED ALLOY FRAME

MODEL NUMBERS

STD MDL# ROU22WD C1Z2 MDL# M-ROU22WD
IECEX MDL# IEC-ROU22WD



3 YEAR
BUMPER TO BUMPER
PRODUCT WARRANTY

ACURA EMBEDDED SYSTEMS INC.

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BC - V3S 1Z3 CANADA

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