

REBOTNIX[®]
INDUSTRIAL A.I. SOLUTIONS

GENAI

ALL IN ONE EDGE SOLUTION
DOCUMENT VERSION 1.0.2



SKU: RB_GENAIAGXO64

ABOUT GENAI

SUPPORTS NVIDIA JETSON AGX ORIN 64GB

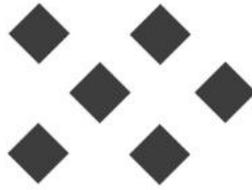


GENAI by Rebotnix is a powerful generative AI platform that runs entirely on-premise – no cloud dependency, no recurring costs, and complete control over your data. Powered by the NVIDIA Jetson AGX Orin 64GB, it delivers cutting-edge AI technology for creating reports, analytics, summaries, and integrating custom chatbots or internal assistants – all while maintaining full data security and compliance with data protection regulations.

The system features a hot-swappable Braincell storage module with up to 4TB SSD capacity, providing immediate access to data and AI applications. With dual Gigabit Ethernet ports, two USB 3.1 ports, HDMI output, and a built-in 256-bit hardware cryptochip for secure AI model protection, GENAI is fully compliant with the European AI Act and cybersecurity regulations.

www.rebotnix.com





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SPEZIFIKATIONS GENAI

ELEKTRICAL SPECIFICATIONS

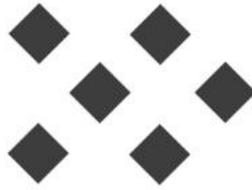
DC voltage input	19V/5A
Power consumption	Max.60W

ENVIRONMENTAL SPECIFICATIONS:

Temperature range	-20°C bis 70°C
Humidity	Non-condensing

INTERFACES & CONNECTORS

SSD SLOT FOR BRAINCELL	BRAINCELL with up to 4TB SSD
USB0	USB 2.0 (OTG)
USB1/2	2 x USB 3.1 (TYPE A)
HDMI	Connector for Display
RJ45-1	10, 100, 1000 GbE
RJ45-2	10, 100, 1000 GbE
ON/OFF	ON/OFF Switch
DC IN	LEMO DC IN Socket

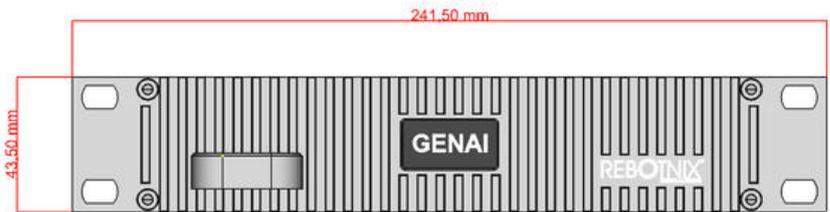


SPEZIFICATIONS

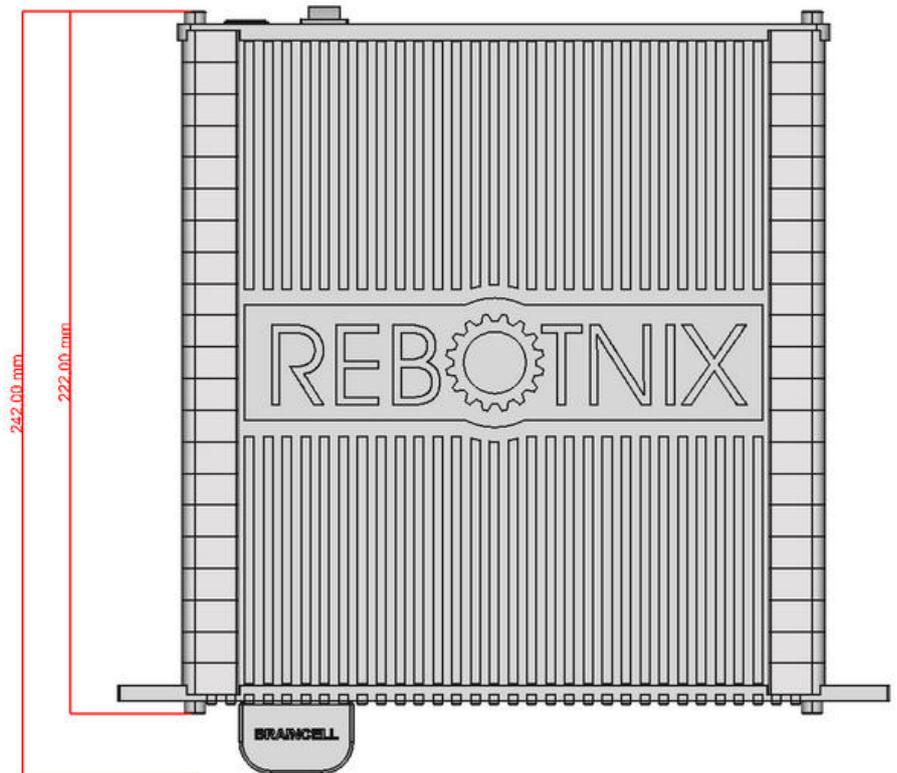
TECHNICAL SPECIFICATIONS

Dimensions	241,50mm x 43,50mm x 222mm (without Braincell)
Weight	2000g (without power supply unit)

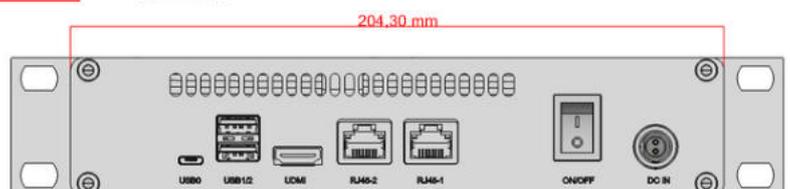
FRONTSIDE

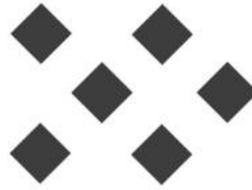


TOPSIDE



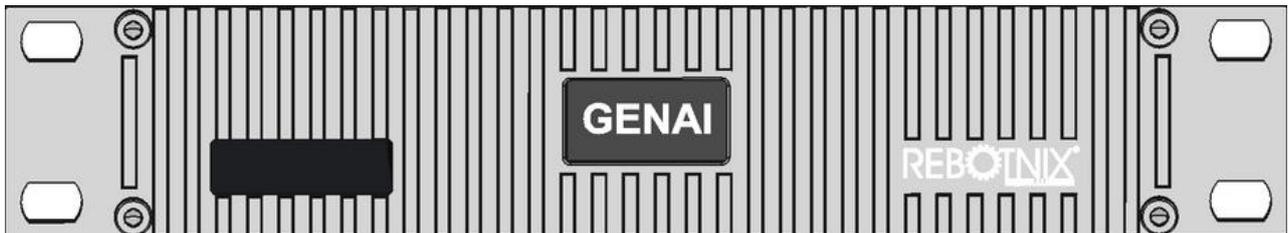
BACKSIDE





CONNECTIVITY

FRONTSIDE



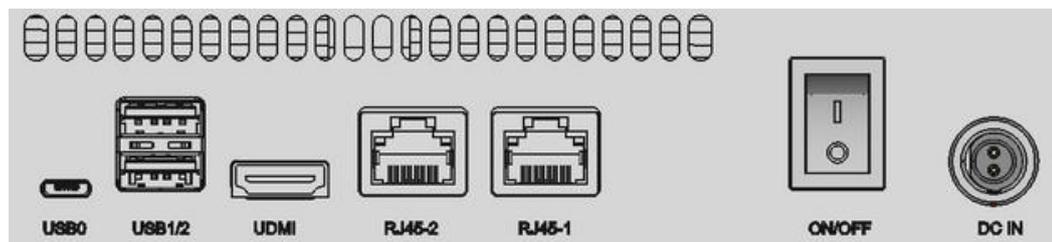
BRAINCELL



BRAINCELL SOCKET

Die Braincell ist eine einsteckbare Festplatte mit bis zu 4 TB, die sofort einsatzbereiten Speicher für Daten und KI-Anwendungen bietet – kompatibel mit GENAI von Rebotnix.

BACKSIDE



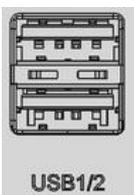
USB 0



USB 0 - MICRO USB SOCKET

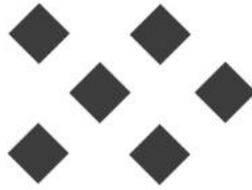
The USB Micro 2.0 port is used to reset the system to factory settings, allowing for quick recovery.

USB 0



2 x USB 3.1 SOCKET (TYPE A)

2 x USB 3.1 – High-speed USB ports for data transfer and peripheral devices.



CONNECTIVITY

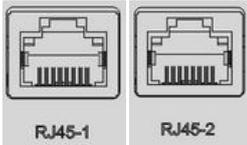
HDMI



HDMI – SOCKET

The HDMI port enables high-quality transmission of video and audio to external displays or TVs.

RJ45



2 x RJ45 SOCKET

RJ45 1 and 2 – Ethernet ports for wired network connections, supporting speeds up to 1Gbps.

ON/OFF



ON / OFF - BUTTON

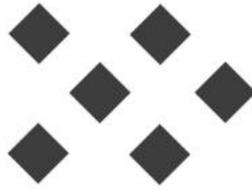
The On/Off button is used to turn the device on and off.

DC IN



DC IN LEMO-SOCKET

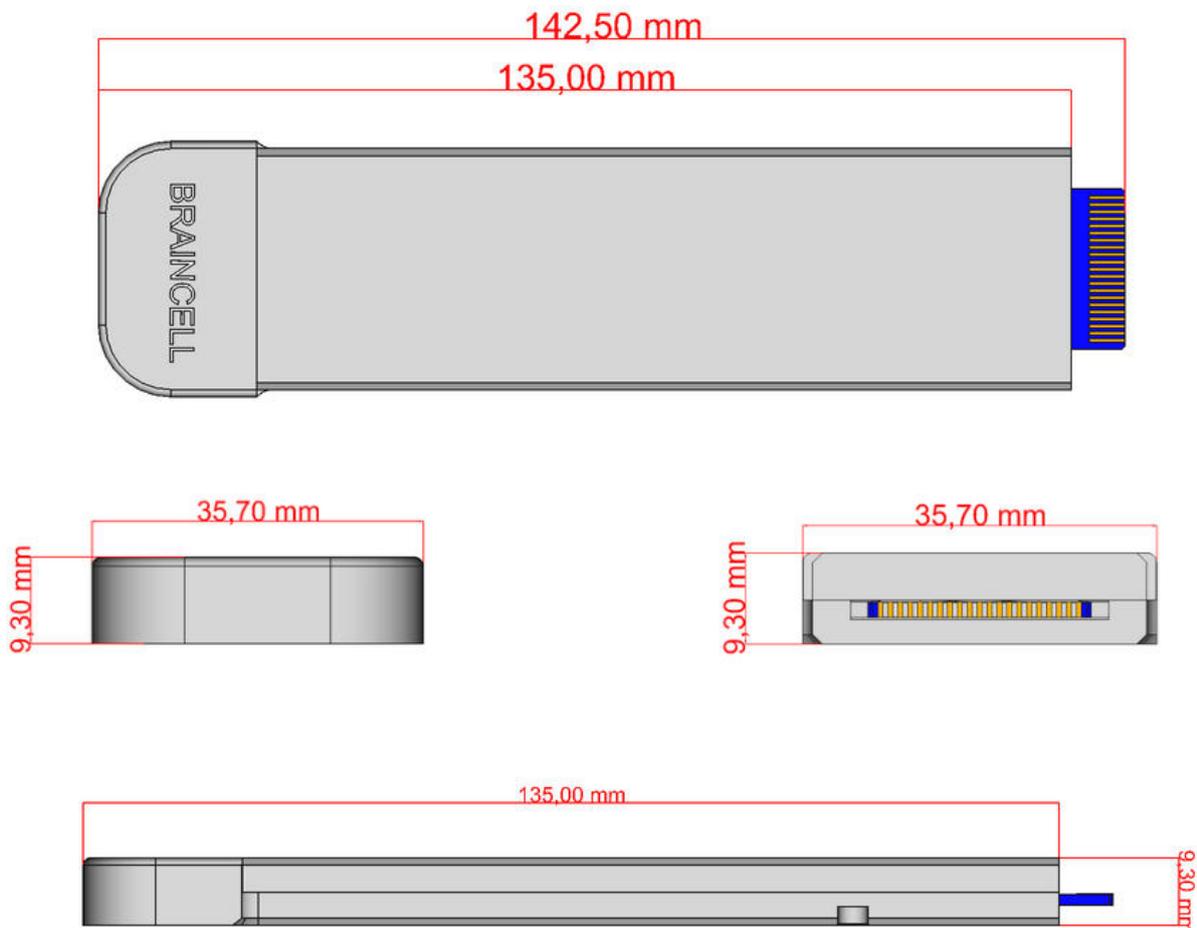
The DC IN connector is used for power supply, Supporting an input voltage of 12-19V DC

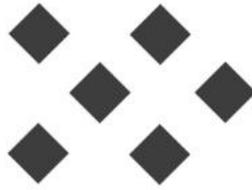


SPEZIFIKATIONS BRAINCELL

TECHNICAL SPECIFICATIONS

Dimensions	142,50mmx35,70mmx9,3mm
Weight	100g





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SECURE HARDWARE AUTHENTICATION



For the verifiability of AI applications as well as the European cybersecurity law and the upcoming AI ACT, proof of generated AI data of the liability issue is mandatory.

REBOTNIX edge systems include a hardware 256 bit based cryptochip on the mainboard. In combination with NVIDIA JETSON GPU and GENAI as host, we can now create more secure AI applications and protect custom generated models.