

INDUSTRIAL COMPUTING



DIGITAL SIGNAGE



SERVER-BASED  
COMPUTING



EMBEDDED / IoT / IIoT



AI / KI



## Fanless IS0220 v2

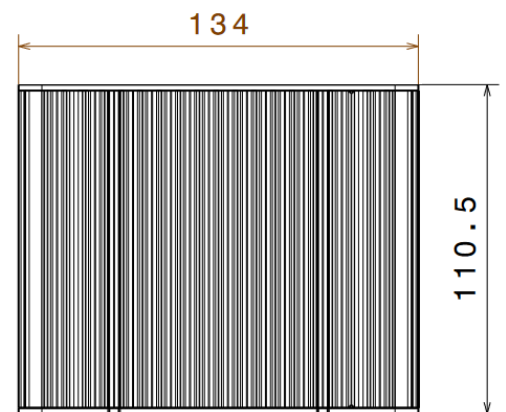


- Perfectly incorporates Raspberry PI ecosystem (Hard- and Software), Compute Module 5
- Up to 16GB RAM and 64GB eMMC
- Use any HAT, any Pi - OS
- Long-term-availability until 2036

IS0220 is a Raspberry PI 5-based industrial, rugged embedded system.

It offers high availability for 24/7 operation in harsh environments.

Take advantage of Raspberry PI hardware upgrades (HATs) as well as ready-to-use operating system images. Moreover,



# Factsheet

## Physical properties

Chassis	Full-metal aluminium construction, black anodized
Dimensions	134x110.5x52 mm (WxDxH)
Cooling	Passive
Mounting options*	Mounting threads (slot nuts), DIN-rail, VESA, 19"
Weight	0,8 kg

## Hardware

Formfactor	TX-Team eNUC carrierboard + Raspberry PI CM5
CPU	Broadcom BCM2712, 4x2.4GHz
RAM	2,4,8,16GB LPDDR4-4267, ECC
Storage	0,16,32,64GB eMMC µCF Card: up to 512GB (only without eMMC usable) SSD (nVMe): up to 2TB
Graphics	SoC integrated, 2x 4k@60Hz, improved 3D / AI

## Communication

WLAN*	802.11 b/g/n/ac + Bluetooth 5.0, BLE
LTE*	4G/5G module
Others	Raspberry PI HAT for Raspberry PI 5 (nearly any vendor and any kind) optional

## I/O

I/O front	DC-In (redundant Wide-Input, PhoenixContact plug), Power-Button, 4x Status LEDs
I/O back	1x USB 2.0, 1x USB 3.0, 1x USB-C OTG, 2x RJ45 (LAN + GLAN), 2x HDMI
I/O internal**	1x USB 2.0 pinheader, 1x 40 pin GPIO header, 1x m.2 key B 2242 (USB + PCIe for SSD/4G-5G/expansion modules), 1x PoE Header, 1x Battery header for RTC, 1x µCF socket, 1x SIM socket

## Power supply

PSU	-
Power input	8..28V DC-In, redundant, PhoenixContact plug PoE 802.11af, 36..56V wide input*
Redundancy	-
Power draw	Idle: ~2.5W, full-load: ~12W

## Compatibility

OS	Raspberry PI OS, Raspberry PI OS legacy, Ubuntu Linux, Lineage OS, Chromium OS, RISC OS, Manjaro, MS Windows 10 IoT Other OS upon request
Others	

## Environment

Operating temp. range / Humidity	-10..+70°C / 10...95%, non-condensing
Protection class	IP50

## Compliance

Conformity	CE, RoHS, REACH
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## General

Scope of delivery	IPC, documentation, certificate of conformity
Language	EN, DE
Long-term-availability	Until 2036
Warranty	3 years, 4/5 years*
Country of Origin	Germany
Tariff code	84715000

\*Depending on actual system configuration / may require optional accessory

\*\*Maybe occupied due to actual system configuration