

# EM PRO mini

the professional IT solution

## Why EM PRO mini?



AMD Ryzen™ Embedded  
R2000 series with Radeon™  
graphics

**Design and production  
Made in Germany**

2 x up to 4K/60Hz monitors  
supported with mini DP, DP  
or HDMI with adapter

Ideal for use in:

- Building automation
- Business PCs (office/home office)
- advertising applications
- Production
- Warehouse/Logistics
- Micro Server
- Edge Server
- IoT solutions
- Workstations

and much more

24/7 operation

Small and full of power - as high  
as three stacked square  
chocolate bars - but without  
calories

**AMD**  
**RYZEN**  
Embedded

**E.E.P.D.**   
...just embedded!



# Specification

## CPU

AMD R2312 / R2314 / R2514 / R2544, up to 3.7 GHz, up to 4 cores, 8 threads, max. 35W TDP supported

110 years availability according to CPU manufacturers specification

## Max. memory

64 GB dual channel DDR4 memory with ECC-support



Rear connectors

## Power supply

Min. 8V / Max. 32V (DC)

## Max. operating temperature

0°C to +50°C ambient commercial grade  
- other on request;

## Max. storage temperature

-40°C to +85°C

## Max. relative humidity

95% @ 40°C, non-condensing

## Housing

Sturdy metal case

## Mounting

Stand alone or VESA

## Dimensions approx.

117 x 51 x 115 mm

## Weight approx.

700 grams + options

## Conformity

CE, ROHS, REACH

## OS support

(OS licence is optional)

Microsoft® Windows® 11

Microsoft® Windows® 10

Linux Ubuntu 22.04 LTS

## Display Port connectors

2 Mini-DP++ connectors up to 4096x2160 @ 60 Hz

## Sound (optional)

3.5mm MIC in / headphone out

## Health monitoring and management

Speed controlled fan (PWM + Tacho)  
and hardware monitoring

## fTPM

AMD firmware Trusted Platform Module  
TPM 2.0 support (Infineon SLB 9670)

## Other

Power und status LEDs

## USB ports

1 Dual USB 3.1 Gen2  
(10Gb/s, limited to: 900mA)

1 USB 3.1 Gen2  
(10Gb/s, limited to: 900mA)

## Serial ports

2 RS-232

## Gigabit Ethernet

2 Intel® I226 with IEEE1588

## WiFi (optional)

802.11 AC with diversity

## SSD (optional)

M.2 SATA or  
up to 2 NVME / 64-512GB

## SD-Card

1 MicroSD card socket

E.E.P.D. Electronic Equipment  
Produktion & Distribution GmbH

Gewerbering 3

85258 Weichs - Germany

Phone +49 8136 2282-0

Fax +49 8136 2282-109

Internet: [www.eepd.de](http://www.eepd.de)

E-Mail: [sales@eepd.de](mailto:sales@eepd.de)

The information contained in this document has been carefully checked and is believed to be reliable. However, E.E.P.D. GmbH makes no guarantee or warranty concerning the accuracy of said information and shall not be responsible for any loss or damage of what ever nature resulting from the use of, or reliance upon, it. E.E.P.D. does not guarantee that the use of any information contained herein will not infringe upon the patent, trademark, copyright or other rights of third parties, and no patent or other license is implied hereby. AMD and the AMD logo are trademarks of Advanced Micro Devices, Inc. Intel and the Intel logo are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries. This document does not in any way extend E.E.P.D.'s warranty on any product beyond that set forth in its standard terms and conditions of sale. E.E.P.D. reserves the right to make changes in the products or specifications, or both, presented in this publication at any time and without notice. LIFE SUPPORT APPLICATIONS: E.E.P.D.'s products are not intended for use as critical components in life support appliances, devices or systems in which the failure of a E.E.P.D. product to perform could be expected to result in personal injury. All mentioned trademarks are registered trademarks of their owner. © 2023 by E.E.P.D. GmbH. All rights reserved. August 04 2023 – Version 1.0



**HIGH QUALITY**  
MADE IN GERMANY