

EM PRO mini

the professional IT solution

Why EM PRO mini?

AMD Ryzen™ Embedded
R2000 series with
Radeon™ graphics

Design and production

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



Specification

CPU

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

10 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

E-Mail: 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. © 2024 by E.E.P.D. GmbH. All rights reserved. November 19 2024 – Version 1.1

HIGH QUALITY

MADE IN GERMANY