the professional IT-solution





## Why EM PRO mini?

AMD Ryzen™ Embedded V1000 and R1000 series with Radeon™ Vega Graphics

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

24/7 operation

AMDA RYZZN 

Design and production Made in Germany

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

## Ideal for use in:

- building automationbusiness PCs (office/home office)advertising applications

- productionwarehouse/logistics
- micro server
- edge server
- IoT solutions
- workstations
- enterprise and media collaboration

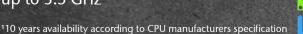
and much more

## SPECIFICATION

**CPU** 

AMD V1605<sup>1</sup> and V1807<sup>1</sup>, up to 3.8 GHz, up to 4 cores, 8 threads, max. 35W supported

AMD R1102<sup>1</sup>, R1305<sup>1</sup>, R1505<sup>1</sup>, R1606<sup>1</sup>, up to 3.5 GHz



Max. memory
32 GB dual channel DDR4 memory
16 GB single channel DDR4 memory



Rear connections

Power Supply

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

Max, operating temp.

0°C to +50°C ambient commercial grade other on request; V1807 deviating 0 °C to +40 °C

Max. storage temp

-40°C to +85°C

Max, relative humidity

95% @ 40°C, non-condensing

Housing

Sturdy metal case

Mounting

Stand alone or VESA

Dimension approx. 117 x 44 x 113 mm

Weight approx.
700 grams + options

Conformity CE, ROHS, REACH

OS support (OS licence is optional)

Microsoft<sup>®</sup> Windows<sup>®</sup> 10 Linux Ubuntu 20.04 LTS OP 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

SD-Carc

1 MicroSD card socket, V3.0 Host Controller up to 2.2TB

**fTPM** 

AMD firmware Trusted Platform Module

Other

Power and status LEDs

USB port

3 USB 3.1 Gen1

Serial port

2 RS-232

Gigabit Etherne

2 Intel I1210 with IEEE1588

WiFi (optional)

802.11 AC with diversity

SSD (optional)

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

D-Card

1 MicroSD card socket

HIGH QUALITY



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 accu 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 us 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 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 n 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. prot to perform could be expected to result in personal injury. All mentioned trademarks are registered trademarks of their owner.

© 2021 by E.E.P.D. GmbH. All rights reserved. April 16th 2021 — Version 1.4

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