# EM PRO mini
## the professional IT solution

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

EM PRO mini

E.E.P.D.

## Why EM PRO mini?

AMD Ryzen™ Embedded **V2000** series with „Zen 2" x86 core architecture and Radeon™ graphics, max. 8 cores / 16 threads

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

**Design and production Made in Germany**

24/7 operation

Small and powerful - as high as three stacked square chocolate bars - but completely without calories

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

**AMD**

**RYZEN**

**EMBEDDED**

# SPECIFICATION

**CPU**
AMD V2516[1] and V2718[1], up to 4.15 GHz,
up to 8 cores, 16 threads, max. 25W supported

[1]10 years availability according to the specification of the CPU manufacturer

**Max. memory**
32 GB dual channel DDR4 memory
with ECC support



Rear connectors

**Power supply**
Min. 10.8V / Max. 26.4V (DC)

**Max. operating temperature**
0°C to +50°C commercial ambient
temperature - others on request

**Max. storage temperature**
-40°C to +85°C

**Max. relative humidity**
95% @ 40°C, non-condensing

**Housing**
Sturdy metal housing

**Mounting**
Stand alone or VESA

**Dimensions approx.**
117 x 44 x 113 mm

**Weight approx.**
700 grams + options

**Conformity**
CE, ROHS, REACH

**OS support**
(license is optional)
Microsoft® Windows® 10
Linux Ubuntu 20.04 LTS

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

**Sound (optional)**
3.5mm MIC in / headphone out

**Device 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 and status LEDs

**USB ports**
2 USB 3.1 Gen1
1 USB-C Port 3.1 Gen2

**Serial ports**
2 RS-232

**Gigabit Ethernet**
2 Intel® I225 / 2.5 Gigabit

**WiFi (optional)**
802.11 AC with diversity

**SSD (optional)**
M.2 SATA or
up to 2 NVME / 64-512GB

HIGH QUALITY
MADE IN GERMANY

ISO 9001
TÜV SÜD
Zertifiziertes
Qualitätsmanagementsystem
ISO 9001
www.tuev-sued.de/ms-zert