

EM PRO midi

the Power-Tower



Why EM PRO midi?

AMD Ryzen™ Embedded
V1807 with Radeon™ Vega Graphics

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

24/7 operation

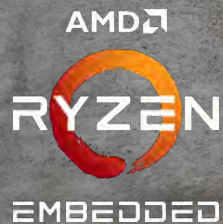
**Design and production
Made in Germany**

Performance meets design

Ideal for use in:

- building automation
- Business PCs
(office/home office)
- advertising applications
- production
- warehouse/logistics
- micro server
- NAS server
- edge server
- IoT solutions
- router
- workstations

and much more



SPECIFICATION



Rear connections

CPU

AMD V1807¹, up to 3.8 GHz,
up to 4 cores, 8 threads, max. 54W supported

¹10 years availability according to CPU manufacturers specification

Max. memory

32 GB dual channel DDR4 memory
with ECC support



Power supply

Min. 10.8V / Max. 26.4V (DC)

Max. operating temperature

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

Max. storage temp.

-40°C bis +85°C

Max. relative humidity

95% @ 40°C, non-condensing

Housing

Sturdy aluminum housing,
black anodized

Mounting

Stand alone

Dimension approx.

201 x 121 x 111 mm

Weight approx.

1.750 grams + options

Conformity

CE, ROHS, REACH

OS support

(OS licence is optional)
Microsoft® Windows® 10
Linux Ubuntu 20.04 LTS

Display Port connectors

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

Sound

3.5mm MIC in / headphone out

Health monitoring and management

Speed-controlled FAN (PWM + Tacho)
and hardware monitoring

SD-Card

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

fTPM + TPM

AMD firmware Trusted Platform Module
Infineon SLB9670 TPM

Other

Power and status LEDs

USB ports

3 USB 3.1 Gen1
1 USB 2.0

Serial ports

2 RS-232

Gigabit Ethernet

2 Intel I1210 with IEEE1588

WiFi (optional)

802.11 AC with diversity

SSD (optional)

M.2 up to 2x NVME /
64-512GB

SD-Card

1 MicroSD card socket

HIGH QUALITY

MADE IN GERMANY



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