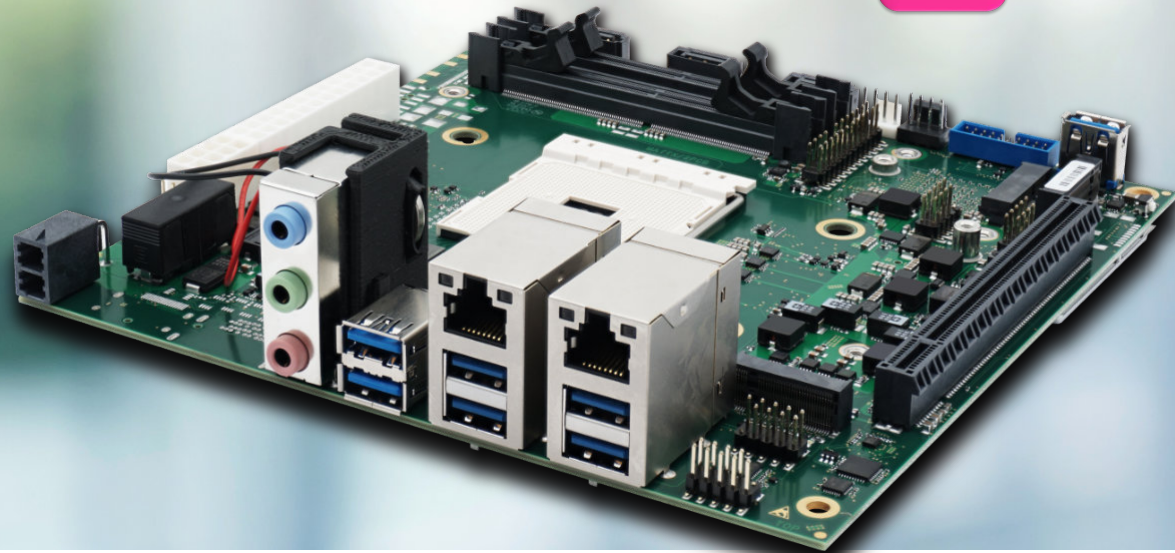
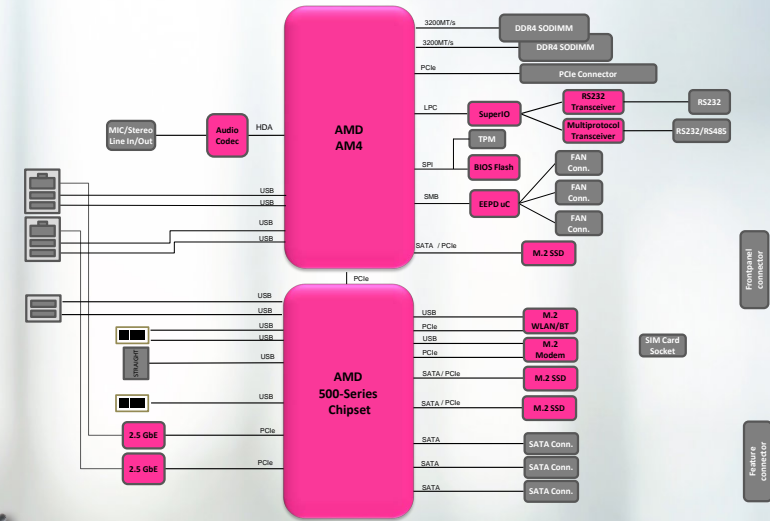




APPLICATIONS

The **PROFIVE® MAITB** single board computer is optimal adapted for:

- _ Rugged Industrial Systems
- _ Medical Solutions
 - AMD performance, high-resolution graphics
- _ Automation Control
 - scalable, flexible expansion
- _ Measurement
 - Multiple graphics
- _ Public Terminal
 - Digital Signage, Multiple Displays support
- _ Mobile Solutions
 - optimized for automotive power input, small form factor



HIGH QUALITY
MADE IN GERMANY

AMD
RYZEN
PRO



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

Mini-ITX 170x170

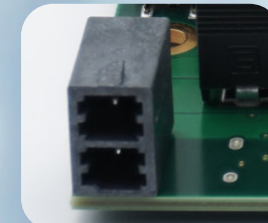
SPECIFICATIONS

CPU	AMD AM4 Socket optional with Ryzen™ PRO CPU 5600, 5600X, 5700X, 5800X, 5900X, 5800X3D and 5950X up to 16 cores, 32 threads, max. 105 W supported
Chipset	AMD x570
Max. memory	Up to 2x 32 GB dual channel DDR4-3200 SO-DIMM memory with ECC Support depending on CPU type
Gigabit Ethernet	2 Intel® I225 with 2,5 Gbit/s TSN-support Wake-On-LAN supported by one port
PCIe	1 PCIe x16 Gen4
GPIO	Up to 4 GPIO (3.3V) and up to 3 GPIO with PWM (3.3V/50kHz)
M.2 socket	1 Key B, 30 mm x 42 mm with SIM Card Socket 1 Key E, 22 mm x 30 mm 1 Key M, 22 mm x 80 mm (SATA or NVMe with PCIe4 Gen3) 1 Key M, 22 mm x 80 mm (SATA or NVMe with PCIe4 Gen4) 1 Key M, 22 mm x 42 mm (SATA or NVMe with PCIe4 Gen4)
Serial ATA	Up to 3 (6G) with separate power connector
USB ports	4 USB 3.2 Gen2 (front) (10Gb/s, limited to: 900mA each) 2 USB 3.2 Gen1 (front) (10Gb/s, limited to: 900mA each) 1 USB 3.2 Gen2 (straight) (10Gb/s, limited to: 900mA each) 2 USB 3.2 Gen1 (internal) (10Gb/s, limited to: 900mA each) 4 USB 2.0 (internal) (limited to: 900mA each)
Serial port	1 RS-232 1 RS-232/485 (HDX/FDX)
fTPM/TPM	AMD firmware Trusted Platform TPM 2.0 support (Infineon SLB 9670)
Sound	HDA with Line out / Line in / MIC in at 3 3.5 mm Audio Jack
Health monitoring and management	Controllable fan (PWM and Tacho), hardware monitoring and watchdog
Other	Power and status LEDs
Power supply	Single Power 12 V (DC) or ATX Power 24+8 Pin
Max. operating temp.	0°C to +60°C ambient
Max. storage temp.	-40°C to +85°C
Max. rel. humidity	95 % @ 40°C, non-condensing
Size approx.	170 mm x 170 mm
OS support	Microsoft® Windows® 10; 10 IoT Enterprise; Microsoft® Windows® 11 Linux Ubuntu 20.04 LTS

Ordering code	Description	Type / Size
MAITB	SBC	Board with AMD AM4 socket
5600-MAITB	CPU	5600 6C 12T 3.5 GHz - 4.4 GHz 65W
5600X-MAITB	CPU	5600X 6C 12T 3.7 GHz - 4.6 GHz 65W
5700X-MAITB	CPU	5700X 8C 16T 3.4 GHz - 4.6 GHz 65W
5800X-MAITB	CPU	5800X 8C 16T 3.8 GHz - 4.7 GHz 105W
5900X-MAITB	CPU	5900X 12C 24T 3.7 GHz - 4.8 GHz 105W
5800X3D-MAITB	CPU	5800X3D 8C 16T 3.4 GHz - 4.5 GHz 105W
5950X-MAITB	CPU	5950X 16C 32T 3.4 GHz - 4.9 GHz 105W
4GB-MAITB	Main Memory	4GB
8GB-MAITB	Main Memory	8GB
16GB-MAITB	Main Memory	16GB
32GB-MAITB	Main Memory	32GB
AL_CS-MAITB	Cooling Solution	CPU heatsink active low profile (1U)
AH_CS-MAITB	Cooling Solution	CPU heatsink active high profile (2U) - OEM/ODM only
PL_CS-MAITB	Cooling Solution	CPU heatsink passive low profile (1U) - OEM/ODM only
PH_CS-MAITB	Cooling Solution	CPU heatsink passive high profile (2U) - OEM/ODM only



2.5 Gigabit Ethernet and USB



Single Power 12V (DC)

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