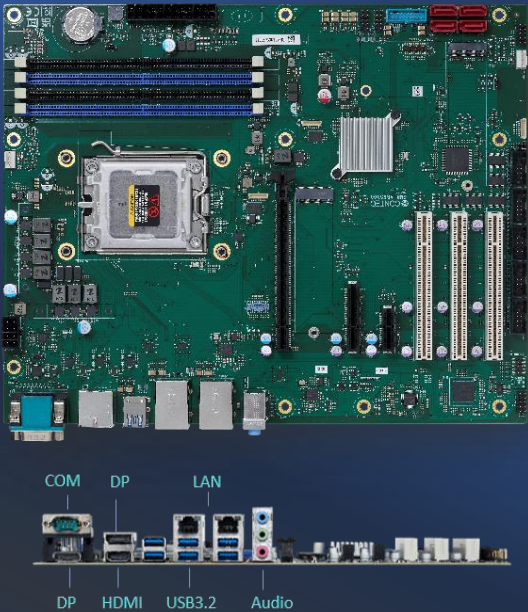


GMB-AB65000

Industrial Motherboard ATX Form Factor

AMD Ryzen™ 9000 Series Processors
for next-generation performance and efficiency



FEATURES

- **Next-Gen Zen 5 Performance to Unleash Multi-Tasking Potential**
Support AMD Ryzen™ 9000 Series Processors, up to 120W
- **Data Integrity for 24/7 Mission-Critical Stability**
4x DDR5-5200 UDIMM, up to 128GB, ECC support
- **High-Speed Graphics Rendering & Blazing PCIe Gen5 Expansion**
Support PCIe Gen 5 x16 expansion slot
- **Dual 2.5GbE LAN Ports for Secure Network and Data Isolation**
- **Rich Industrial I/Os supported**

SPECIFICATIONS



Processor	AMD Ryzen™ 9000 Series Processors, up to 120W, Socket AM5 APU Model: 9900X, 9700X, 9600X, PRO 9745, PRO 9645
Chipset	AMD B650
BIOS	AMI SPI 256Mbit
Memory	4x DDR5 up to 5200 MHz, Dual Channel (ECC support), U-DIMM up to 128GB
Graphic	AMD Radeon™ Graphics
Display	1x HDMI 2.0 on rear I/O 2x DisplayPort1.4 on rear I/O
M.2	2x M.2 Key M 2280 (PCIe Gen4 x4)
Extended slot	1x PCIe Gen5(x16)* 1x PCIe Gen4(x4) 1x PCIe Gen4(x1) 3x PCI
SATA	4x SATA 3.0 (6Gb/s), RAID (0,1,10)
LAN	2x 2.5GbE LAN Port on rear I/O
Audio	Audio Jack: Line-in/out/ Mic-in on rear I/O
USB	6x USB3.2 Gen2 on rear I/O 2x USB3.2 Gen 1 Internal box header 2x USB2.0 Internal pin head
Serial	1 x RS-232/422/485 on rear I/O 5 x RS-232 (Internal pin head)

Front Panel	1x Front Panel Pin Header (2.54mm)
Watchdog Timer	Software programmable, 1 sec ~ 255 sec Time up Active by reset or shutdown
Hardware Monitoring	System monitor(Voltage, Fan Speed and Temperature)
GPIO	1x 8bit GPIO (4bit in/4bit out) on pin header
RTC Battery	CR2032 (Battery socket)
FAN connector	2x 4pin 12V
Power Supply	ATX 24 pin power connector 12V 8pin power connector
Security	TPM 2.0 onboard
Dimensions	ATX (305 mm x 244 mm)
Environment	Operation temperature : 0 to 60°C with CPU FAN
	Storage temperature : -40 to 80°C
Certificate	Relative humidity : 5 to 95% , non-condensing
	CE, FCC, UKCA, VCCI Class B, RoHS2.0
OS support	Windows 11 Enterprise LTSC 2024 (64-bit)