

AIT-B07 (SM8U8 Series)

Category	Specification
Model	SM8U8
CPU Options	Intel® Core Ultra 5-125U (12 C / 14 T, Turbo 4.3 GHz, fanless); Intel® Core Ultra 7-155U (12 C / 14 T, Turbo 4.8 GHz, fanless)
AI Accelerator	Intel AI Boost NPU (max 1.4 GHz)
Chipset	Integrated Intel SoC
Memory	2 × DDR5 5600 SO-DIMM slots, max 64 GB
Storage	1 × M.2 2280 M-Key (PCIe 4.0 ×4 / NVMe); 1 × M.2 3052 B-Key (USB 3.0 for 4G/5G); 1 × M.2 2230 E-Key (CNVio2 for Wi-Fi); 1 × 2.5" SATA
Graphics	Intel Graphics integrated
Display	1 × HDMI, 1 × DP, 1 × Type-C (DisplayPort Alt Mode, USB 3.2 / PD 5 V 1 A); supports synchronous/asynchronous triple display
LAN	8 × 2.5 GbE RJ45 (1 × Intel i226-LM with vPro, 7 × Intel i226-V)
Front I/O	1 × Power button, 1 × Reset button, 1 × Type-C (DP/USB 3.2/PD 5 V 1 A), 1 × HDMI, 1 × DP, 4 × USB 3.2, 1 × RJ45 COM (support Console), 1 × Nano-SIM slot
Rear I/O	1 × DC-IN 12 V, 8 × 2.5 GbE LAN
Expandable I/O (optional)	2 × USB 2.0, 4 × GPIO
BIOS	AMI EFI BIOS
Watchdog Timer	Present ([TBD] interval values)
TPM Support	TPM 2.0
Auto Functions	Auto Power-On after power loss; Wake on LAN; PXE boot
Power Supply	12 V DC input (Phoenix terminal); AC 100–240 V adapter included; 9–36 V DC optional
Cooling	Fanless (all-aluminum structure)
Color	Grey (custom colors optional)
Operating Temp.	–20 °C ~ +70 °C (surface air flow)
Humidity	5 % ~ 95 % (non-condensing)

Category	Specification
OS	Windows 10, Windows 11, Linux
Dimensions	225.5 × 140 × 68.5 mm
Weight	1.3 kg (net)
Mounting	Wall-mount brackets (optional)
Accessories	Power adapter, power cord, VESA mount, warranty card
Certificates	CE, FCC, RoHS
Warranty	2 years