

AIT-B06 (SM8U3 Series)

Category	Specification
Model	SM8U3
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	1 × DDR5 5600 SO-DIMM slot, max 32 GB
Storage	1 × M.2 2280 slot (M-Key, PCIe 4.0 x4 / NVMe); 1 × 2.5" SATA
Graphics	Intel Graphics integrated
Display	3 × HDMI; 1 × Type-C (DisplayPort Alt Mode, USB 3.2 / PD 5 V 1 A); supports synchronous / asynchronous triple display
LAN	3 × Intel i226-V 2.5 GbE RJ45; LAN1 optional Intel i226-LM (vPro support)
Front I/O	2 × COM (RS-232 / 485 optional), 4 × USB 3.2, 1 × Power button, 1 × SIM slot
Rear I/O	3 × HDMI, 1 × Type-C (DP / USB 3.2 / PD 5 V 1 A), 3 × 2.5 GbE LAN, 1 × Audio (Mic + Speaker), 1 × DC-IN 12 V
Expandable I/O (optional)	2 × USB 2.0, 4 × GPIO
Expansion Slots	1 × M.2 2280 M-Key (PCIe 4.0 x4 / NVMe); 1 × M.2 2230 E-Key (PCIe & USB / CNVio2); 1 × Mini-PCIe (full-size for 4G / Wi-Fi)
BIOS	AMI EFI BIOS
Watchdog Timer	Present (specified as "Watch Dog", no interval values → [TBD])
Power Supply	12 V DC (Phoenix terminal); AC 100–240 V adapter included; 9–36 V DC optional
Cooling	Fanless (all-aluminum enclosure)
Color	Grey (custom colors optional)
Operating Temp.	–20 °C ~ +70 °C
Humidity	5 % ~ 95 % (non-condensing)
OS	Windows 10, Windows 11, Linux

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Dimensions	225.5 × 140 × 68.5 mm
Weight	1.1 kg (net)
Mounting	Wall-mount brackets (optional)
Accessories	Power adapter, power cord, VESA mount, warranty card
Certificates	CE, FCC, RoHS
Warranty	2 years