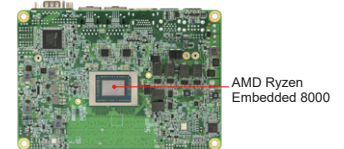
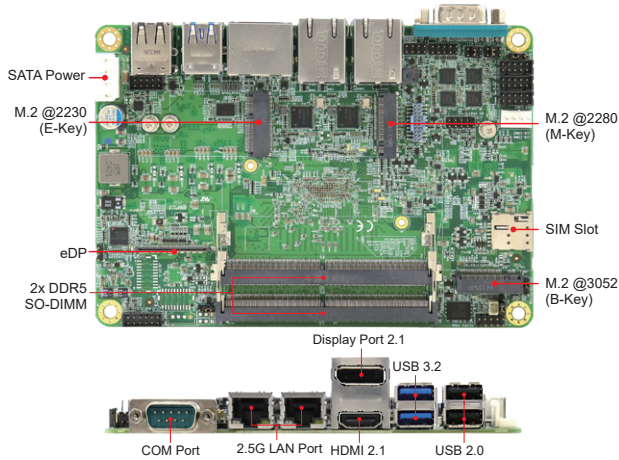


**NEW****IB301**

## 3.5" Single Board Computer

AMD Ryzen™ Embedded 8000 Series



## Features

- AMD Ryzen™ Embedded 8000 Series APU on board, up to 8 cores/16 threads
- Dual-channel SO-DIMM, DDR5 5600, Max. 128GB (per DIMM), Total capacity: 256GB
- 1x eDP, 1x LVDS, 1x DP 2.1, 1x HDMI 2.1
- 2x Intel® I226-V 2.5 Gigabit LAN, 2x USB3.2, 4x USB 2.0
- 1x M.2 B-Key for 5G or LTE options
- 1x M.2 E-Key for Wi-Fi, Bluetooth or capture card options
- supports 2x RS232/422/485 COM port, 2x RS232 COM port

## Specifications

CPU	AMD Ryzen™ Embedded 8000 series APU
PCH	N/A
Memory	Dual-Channel SO-DIMM, DDR5 5600, Max. 128GB (per DIMM), Total capacity: 256GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x PIC-E Gen4 x4 (M.2 NVMe) M-Key Type 2280
Mini Type Slots	1x M.2 (E-Key, Type:2230, supports CNVi) 1x M.2 (B-Key, Type:3052, supports 5G/LTE) 1x SIM socket (Nano SIM)
Graphics Controller	RDNA3 graphics with up to 6 WGP (Work Group processors)
Video Output	1x DP 2.1, max resolution: 8K@60Hz (Up to DP 2.1 / UHBR10 (10Gbps)) 1x HDMI 2.1, max resolution: 4K@120Hz 10bpc, 8K60A 10bpc (4:2:0) (Up to HDMI 2.1 FRL and 10G with Re-driver (Windows) / 2.0b (Linux)) 1x eDP 1.5 [original eDP, DP0], max resolution: 4K@60Hz 1x LVDS [original DP, DP1] max resolution: Dual-Channel 18/24bit, up to 1920x1080 @ 60Hz
Ethernet	2x Intel® I226-V 2.5 Gigabit LAN
I/O Chipset	Fintek F81956D-I
Serial Port	2x RS232/422/485 COM port (configurable) 2x RS232 COM port
USB 2.0	4x USB 2.0 (2 for Type-A, 2 for Pin Header)
USB 3.X	2x USB 3.2 Gen2 (10Gbps)
Serial ATA	N/A
Audio	Realtek audio codec ALC888S-VD2-GR audio header x1 (for Line-in/Line-out/MIC)
TPM	fTPM as default (dTPM option: SLB9672)
Others	Digital I/O(4-in/ 4-out)
Dimensions (L x W)	102 mm x 147 mm (4" x 5.7")
Power Consumption	TBD
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing@60°C)

## Ordering Information

IB301-8845

AMD Ryzen™ Ryzen 7 Pro 8845HS APU (3.8GHz~5.1GHz) on board, 3.5-inch Disk-Size w/dual LAN, 1x DP1, 1x HDMI, 1x eDP, 1x LVDS, 12V – 24V DC-in

\*Specifications are subject to change without prior notice

## Dimensions and Drawing

