D108
AMD RYZEN BOOK-SIZE SIGNAGE PLAYER

AMD RYZEN AI

AMD Ryzen 8000 series processors

AI

AMD Ryzen AI, Overall 38 TOPS
NPU 16 TOPS AI performance

4

4 x HDMI, Support hardware EDID
Up to 3840 x 2160 @60 Hz

Support Wi-Fi/BT module
Support 3G/4G/5G module

CPU

CPU	AMD Ryzen7 8845HS processor
	AMD Ryzen5 7640HS processor
Chipset	SoC
Total Cores	8 Cores /6 Cores
NPU	AMD Ryzen AI, Overall 38 TOPS
	NPU 16 TOPS AI performance
Base Power	45 W /45 W

System

System Memory	Up to 96 GB, 2 x SO-DIMM DDR5-5600 MHz
Storage	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	DC-IN, 19 V/6.32 A
Dimensions	205 mm x 130 mm x 32 mm (8.07" x 5.12" x 1.26")
Construction	Metal, Black
Cooling System	Smart fan, active cooling
Operating System	Windows 11 (64bit) /Linux Ubuntu (64bit)
Operating Temperature	0°C ~45°C (32°F~113°F) @0.7m/s Air Flow
Humidity	10 ~ 90% @ 45°C (non-condensing)
Certifications	CE, FCC Class B, UKCA

Network

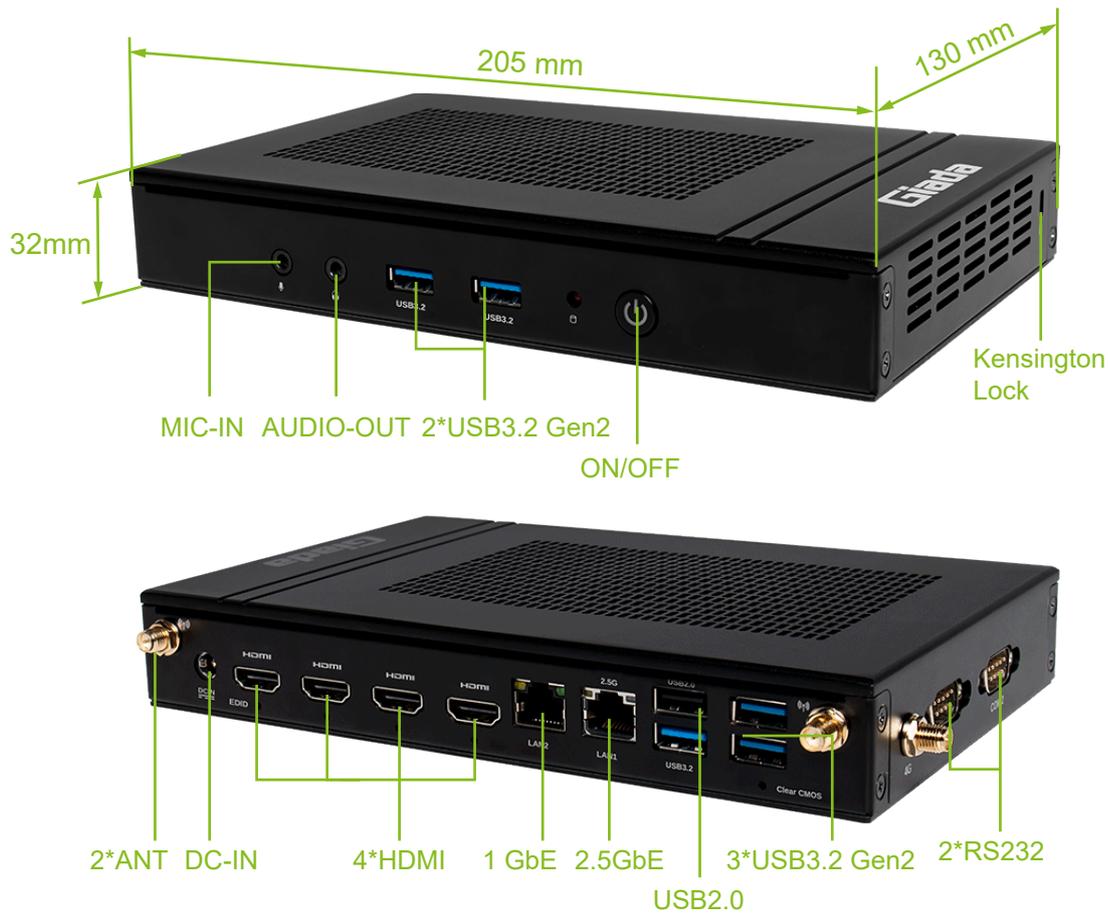| Network Controller	1 x Realtek RTL8111H Gigabit Ethernet
	1 x Intel® Ethernet Controller I226-V
Ethernet Interface	1 x 1 GbE RJ45, 1 x 2.5 GbE RJ45
Wi-Fi/BT	1 x E-Key M.2(2230) for Wi-Fi/BT
Mobile Network	1 x B-Key M.2 (3042/3052) for 3G/4G/5G,
	1 x SIM Slot

Display

GPU	AMD Radeon 780M (8845HS)
	AMD Radeon 760M (7640HS)
Multi-media	1080p60 8bpc MPEGS/VC1, 4320p75 8bpc H.264,
	4320p49 8/10bpc, H.265/VP9 decode
	2160p175 8bpc H.264, 4320p43 8bpc H.265,
	4320p60 8/10 bpc AV1 encode
Display Interface	4 x HDMI (Max.3840 x 2160 @60 Hz) with EDID

I/O interface

USB	5 x USB3.2 Gen2, 1 x USB2.0
Serial Port	1 x RS232 DB9 (Optional: 2 x RS232)
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
	2 x Connector for 3G/4G (Reserved)

Dimensions and Drawing

205 mm

130 mm

32mm

MIC-IN AUDIO-OUT 2*USB3.2 Gen2

ON/OFF

Kensington Lock

2*ANT DC-IN 4*HDMI 1 GbE 2.5GbE 3*USB3.2 Gen2 2*RS232

USB2.0

Order information

D108-8845HS50N0G-GIA	CPU: AMD Ryzen7 8845HS processor
	Memory: NA, Up to 96 GB, 2 x SO-DIMM DDR5-5200 MHz
	Storage: NA, 1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
D108-7640HS50N0G-GIA	CPU: AMD Ryzen5 7640HS processor
	Memory: NA, Up to 96 GB, 2 x SO-DIMM DDR5-5200 MHz
	Storage: NA, 1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
Packing List	2 x Wi-Fi Antenna,
	1 x AC Power Cable,1 x AC Power Adapter
Package	Carton, PLA

Optional items

VESA Mounting	VESA Mounting Kit (JZ200)
Wi-Fi/BT Module	**Wi-Fi 5 (802.11ac):** Intel® Wireless-AC 9560
	Wi-Fi 6 (802.11ax): Intel® Wi-Fi 6 AX201
Mobile Network Module	Quectel® EM05 4G
Operating System License	Windows 11 (64bit)

All product specifications are subject to change without notice