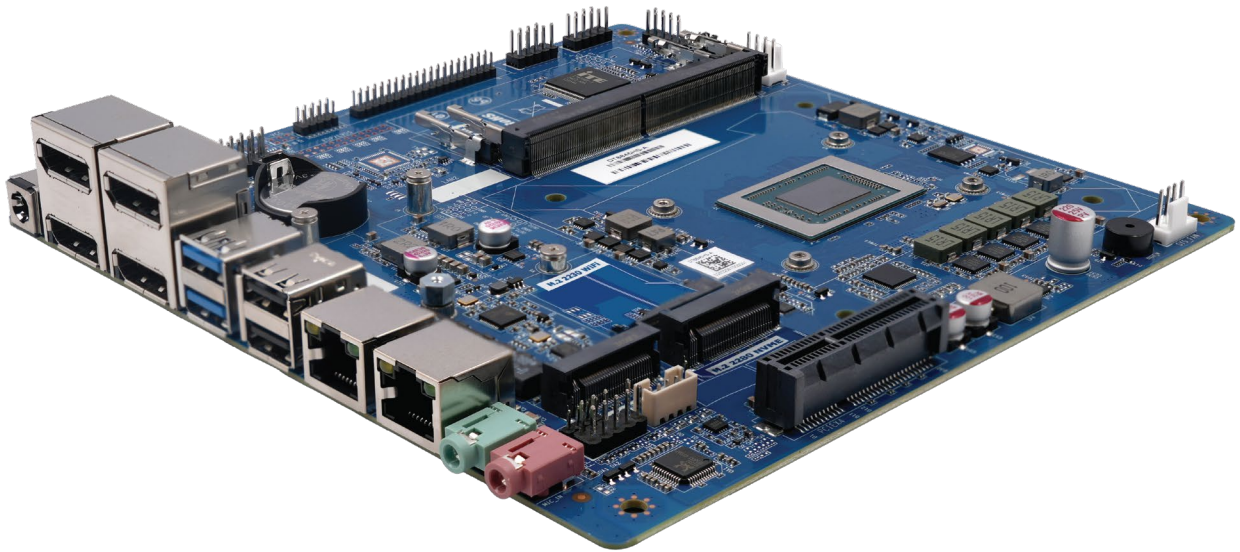


FP-710(Beta)

AMD® Ryzen™, Ryzen™ AI 8000 Series Processor

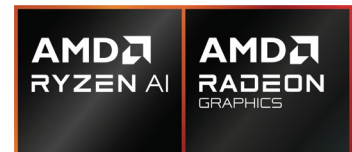
“Zen 4” Architecture based Mini ITX with 4 DisplayPorts



Features

- CPU: AMD Ryzen™ 8845HS PRO Processor
- Memory: Dual channel SO-DIMM DDR5 up to 96GB
- Display: AMD Radeon™ Graphics, Up to 4 independent 4K displays
- Ethernet: Realtek® RTL8111H(1.0GbE)+RTL8125(2.5GbE)
- Storage: 2xM.2_2280 Slot for NVMe
- Expansion: PCIe 4X, M.2 for Wi-Fi
- Power: DC-IN Jack

AMD
together we advance_



Introduction

The Maxtang FP-710 Mini-ITX motherboard is powered by AMD Ryzen™ 7 8845HS PRO processor, offering up to 8 cores and 16 threads based on the advanced “Zen 4” architecture. With integrated AMD Ryzen™ AI technology and a dedicated Neural Processing Unit (NPU), it delivers powerful AI processing for enhanced productivity, creativity, and next-gen PC experiences. Designed for high performance and energy efficiency, the FP-710 is an ideal solution for a wide range of embedded applications.

This compact Mini ITX motherboard supports up to 96GB DDR5 memory via 2x SO-DIMM slots, 4x DisplayPort 1.4 outputs for four independent 4K displays, dual M.2 2280 slots for NVMe storage, and an M.2 2230 slot for Wi-Fi. It also offers optional TPM support for improved security with a rich set of I/O ports, including 6x COM, 8x USB, GPIO, Line-out, and Mic-in. Whether for electronic gaming, digital signage, or medical imaging, the FP-710 delivers the performance and connectivity modern industries demand.



H/W Monitor



Watchdog

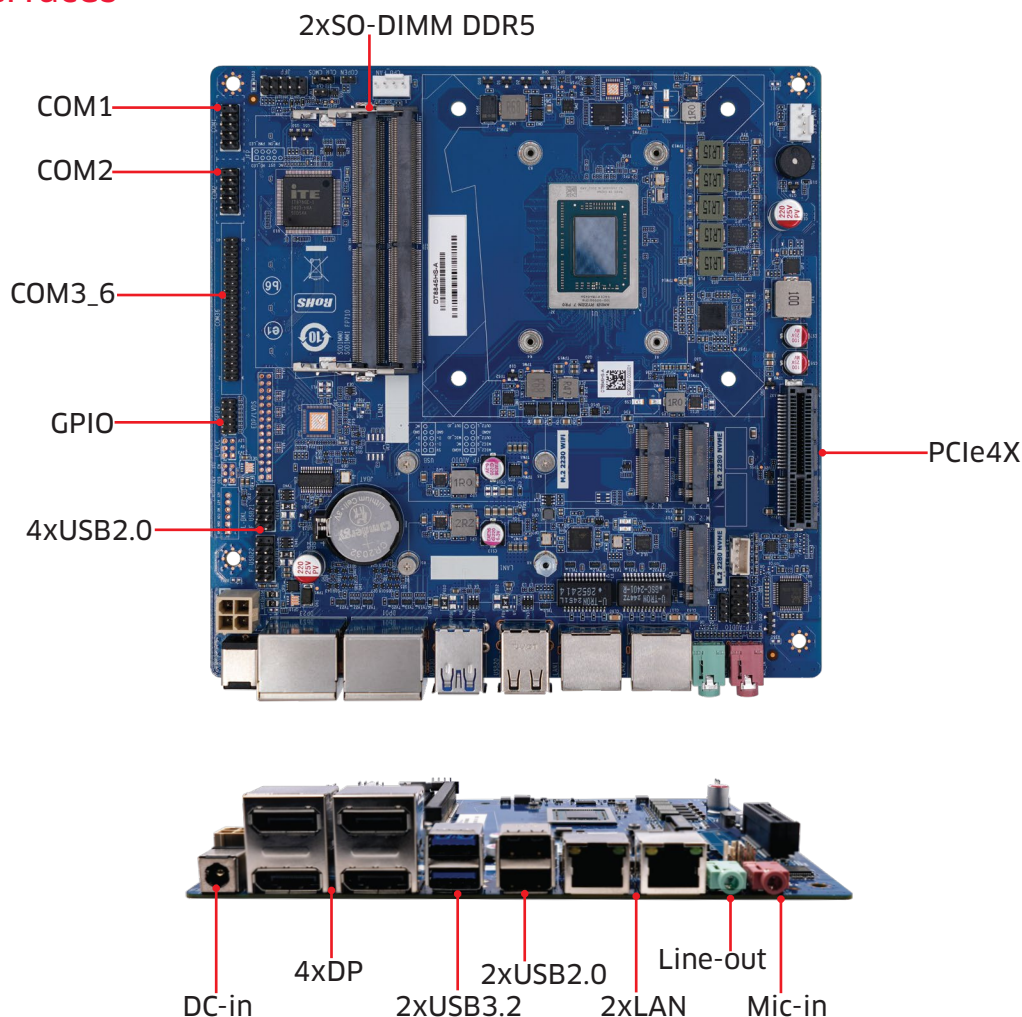


GPIO



Brightness

I/O Interfaces

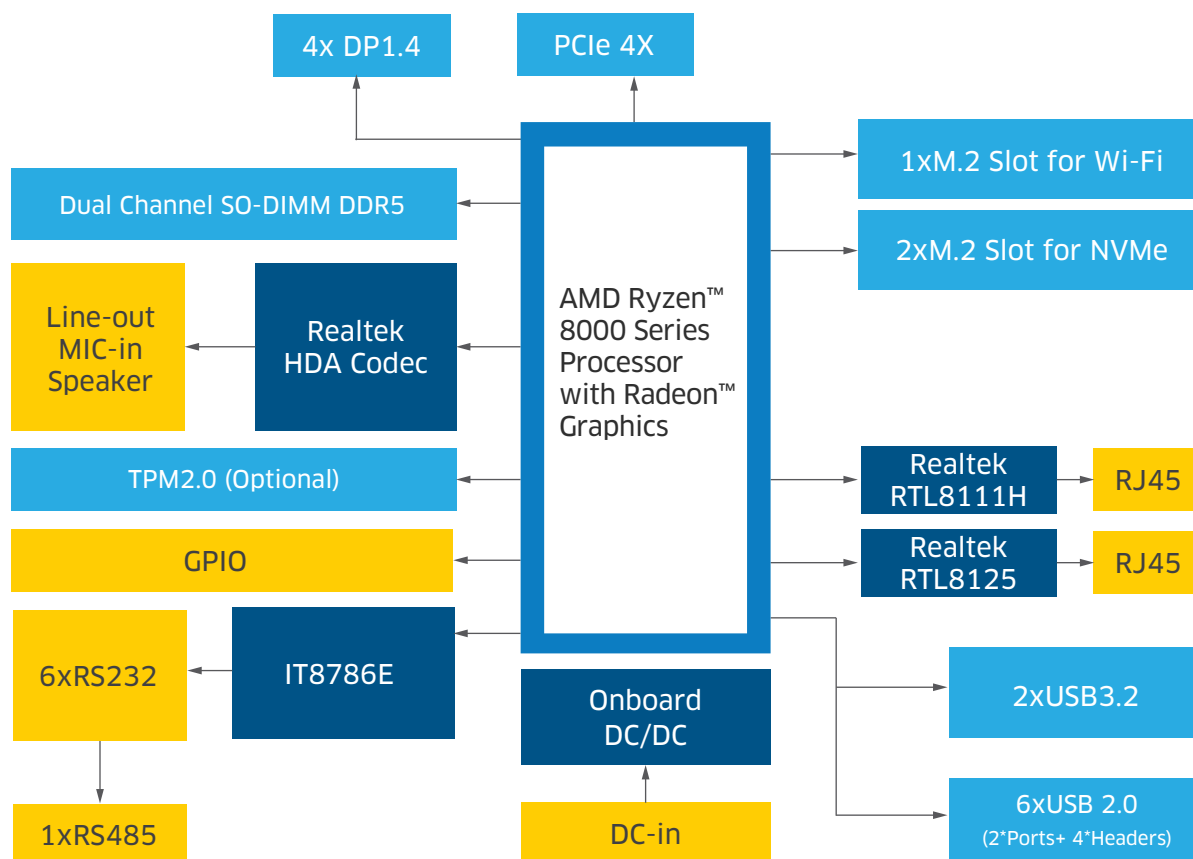


Technical Specifications

Processor	CPU	Ryzen™ 7 8845HS PRO
	Cores/Threads	8C/16T
	Max. Boost Clock	Up to 5.1 GHz
	Base Clock	3.8 GHz
	L2/L3 Cache	8MB/16MB
AI Capabilities	AMD Ryzen™ AI	Available
	BIOS	AMI SPI BIOS
Memory	Type	Dual Channel SO-DIMM DDR5
	Max. Capacity	96GB
Display	GPU	AMD Radeon™ 780M Graphics
		Four 4K Displays. Resolution up to 4096x2160 for single displays.
	Interface	4 xDP1.4
Ethernet	Controller	Realtek® RTL8111H. Max.Speed:10/100/1000Mbps
		Realtek® RTL8125. Max.Speed:10/100/1000/2500Mbps
	Interface	2xRJ45
Audio	Audio Codec	Realtek® ALC897 High-definition Audio Codec
	Interface	1xLine-out, 1xMic-in, support audio header and amplifier header
Hardware		CPU system temperature, onboard voltage, watchdog
Storage	M.2_N	2xM.2_2280 Slot for NVMe SSD
Expansion	M.2_E	1xM.2_2230 Slot for Wi-Fi and Bluetooth
	PCIe 4X	1
Other I/O	COM	6xRS232 (COM2 can be set as RS485 through hardware changes)
	USB3.2	2
	USB2.0	6 (2*Port + 4*header)
	GPIO	8-bit
	Buzz_M	Yes
	TPM2.0	Onboard, Optional
Dimension	Form Factor	Mini ITX
	Size	170 mm x 170 mm
Power	Standard Port	DC-IN Jack (Version 1: 19V / Version 2: 12V)
Temperature	Operating Temp.	-20°C ~60°C
	Storage Temp.	-40°C ~80°C
Operating System		Windows 10/11 64bit, Linux 64bit

*Image is for reference only. *All specifications and photos are subject to change without notice.

Functional Block Diagram



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Order Information

SKUs	Description
DT8845HS-A-12V	DT AMD 8845HS FP710 DDR5 2LAN 6COM 4DP PCIE4X 2*NVME 12V NO POWER ADAPTER
DT8845HS-A-19V	DT AMD 8845HS FP710 DDR5 2LAN 6COM 4DP PCIE4X 2*NVME 19V POWER ADAPTER OPTIONAL

*For customization, please contact your regional sales representative. Confirm model details before purchase, as they may vary.