PRODUCT DATASHEET
HW Rev.: V0.5

MUC-FP651

AMD Ryzen™ 4000/5000/7000 Series with Radeon™ Graphics based Ultra-Compact Mini PC



Features

- CPU: AMD Ryzen™ 4000/5000/7000 Series
- Memory: Dual Channel DDR4 for Memory up to 64GB
- Display: AMD Radeon™ Graphics, Displays via 2 × HDMI, 2 × USB Type-C (DisplayPort 1.4 Alt Mode)
- I/O Ports: 2 x USB-C, 2 x USB3.2, 2 x USB2.0, 1 x LAN(1.0GbE), Audio
- Storage: M.2_Key M for 2280 NVMe/SATA SSD, M.2_Key M for 2242 NVMe/SATA SSD
- Expansion: M.2_Key E for 2230 WiFi & Bluetooth Module
- Power: 19V DC-in

AMD
together we advance_

AMD RYZEN Embedded | AMD RADEON GRAPHICS

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Introduction

The Maxtang MUC-FP651 is an ultra-compact mini PC powered by a choice of AMD Ryzen™ 4000, 5000, or 7000 Series processors with integrated Radeon™ Graphics. Supporting dual-channel DDR4 SO-DIMM memory up to 64 GB and two M.2 Key M slots for NVMe or SATA storage, it combines flexible performance and storage options in a compact 112.4 × 112.4 x 35.5 mm design.

Designed for space-constrained deployments, the MUC-FP651 supports up to four display connections through two HDMI ports and two USB-C ports with DisplayPort 1.4, along with Gigabit Ethernet, USB 3.2, USB 2.0, and an audio jack. Its compact footprint and active cooling make it suitable for digital signage, office computing, and other applications that need multi-display connectivity in a small form factor.

Linux™

ubuntu Linux

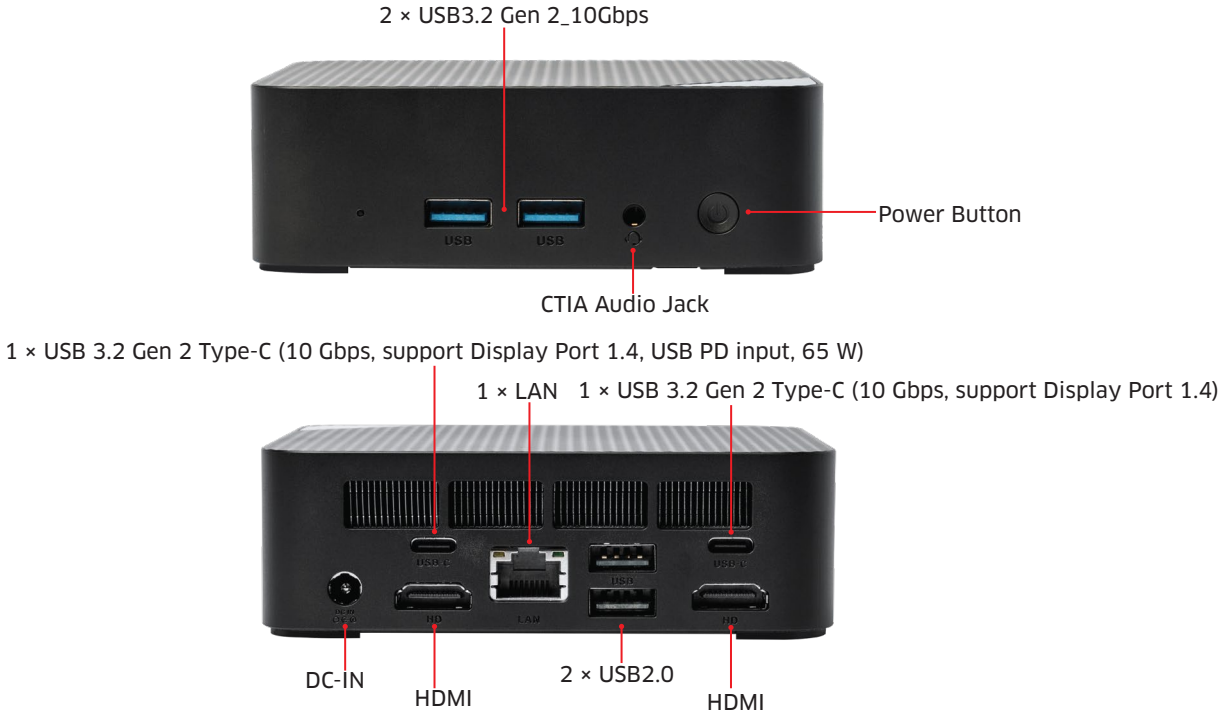
Windows

H/W Monitor

Watchdog

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

I/O Interfaces

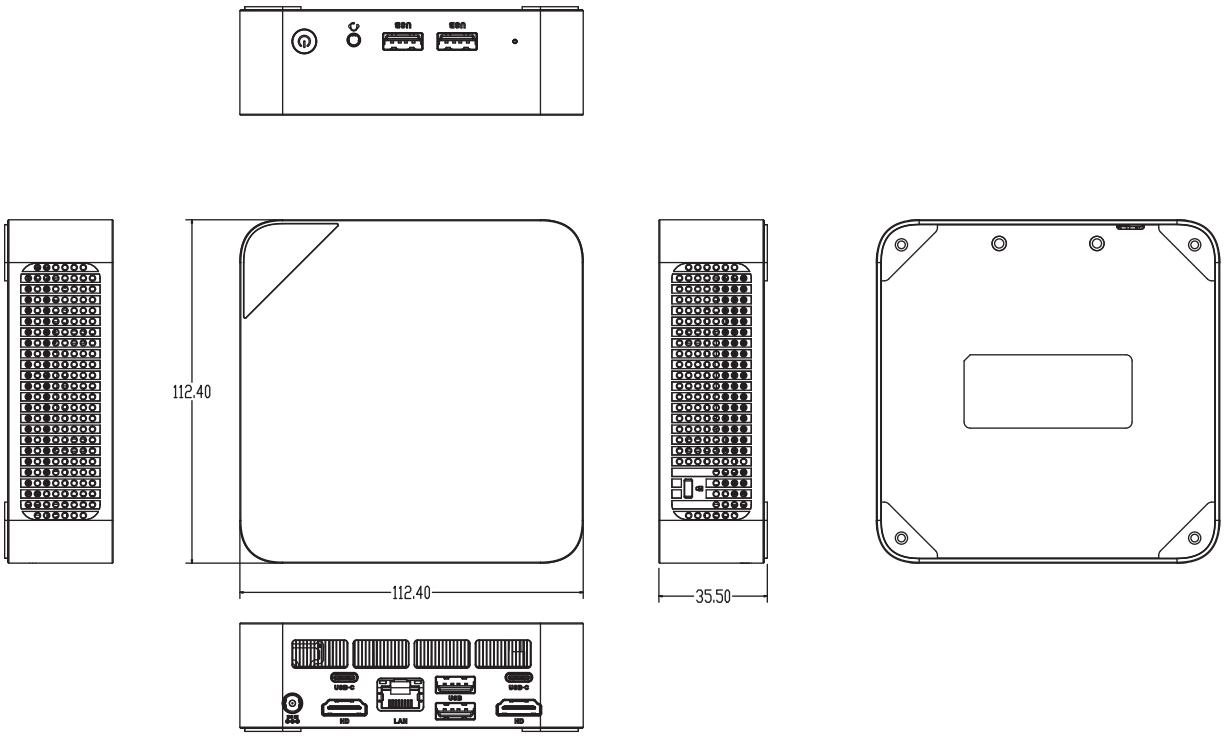


Technical Specifications

Processor	AMD Ryzen™	Ryzen™ 3 7330U	Ryzen™ 5 5600U	Ryzen™ 7 4800U
	Total Cores/Threads	4C/8T	6C/12T	8C/16T
	Max Boost Clock	4.3 GHz	4.2 GHz	4.2 GHz
	Base Clock	2.3 GHz	2.3 GHz	1.8 GHz
	Total L3 Cache	8 MB	16 MB	8 MB
	cTDP	15 W	15 W	15 W
	BIOS	AMI UEFI BIOS		
Memory	Type	Dual Channel SO-DIMM DDR4		
	Max. Capacity	Up to 64 GB		
Display	GPU	Integrated AMD Radeon™ Graphics		
	Display Outputs	2 × HDMI, 2 × USB Type-C (DisplayPort 1.4 Alt Mode)		
Ethernet	Controller	Realtek RTL8111H		
	Speed	10/100/1000 Mbps		
	Interface	1 × RJ45		
Audio	Audio Codec	SenaryTech SN6186		
	Interface	1 × 3.5 mm CTIA combo audio jack (headphone/line-out + mic-in)		
Storage & Expansion	M.2_N	1 × M.2 Key M Slot for 2280 NVMe/SATA SSD		
	M.2_N/S	1 × M.2 Key M Slot for 2242 NVMe/SATA SSD		
	M.2_E	1 × M.2 Key E Slot for 2230 Wi-Fi&Bluetooth Module		
Other I/O	USB3.2	2 × USB 3.2 Gen 2 Type-A ports, 10 Gbps		
	USB2.0	2 × USB2.0 Type-A ports		
	USB-C	1 × USB 3.2 Gen 2 Type-C (10 Gbps, support Display Port 1.4, PD input)		
		1 × USB 3.2 Gen 2 Type-C (10 Gbps, support Display Port 1.4)		
	TPM	Support. Optional		
Dimension	Size (L × W × H)	112.4 × 112.4 × 35.5 mm		
	Net Weight (Barebone)	0.308KG		
Power	DC Input	19 V DC; 65 W power adapter		
Temperature	Operating Temp.	0°C to 50°C		
	Storage Temp.	-20°C to 70°C		
Cooling	Cooling Method	Active Cooling		
Operating System		Windows10/11 64bit, Linux 64bit.		

*All specifications and photos are subject to change without notice.

Dimension(in mm)



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