Mini-ITX01 Specification

HƏMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE
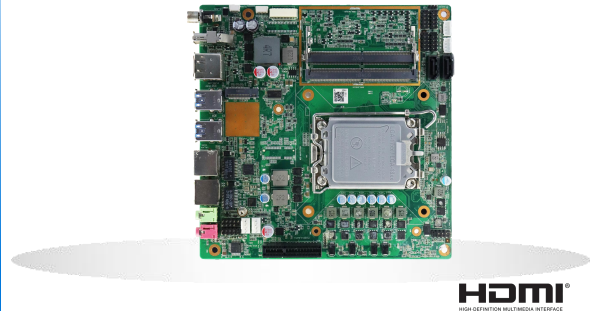
Overview

Decenta ITX01 is highly favored for its compact size and diverse applications. Its advantages include space saving, easy assembly of small chassis, and suitability for compact space and portability needs. It is widely used in Light industrial control, embedded systems, mobile industrial equipment, IoT devices, and other industries

- Support 13th/12th Gen Intel® Core™ & Celeron™ Processors with LGA1700.
- 2x DDR5 4800MHz SO-DIMM, Dual Channels, Max. 64G.
- 4 Independent Displays (Combination of 2DP, 1HDMI®, 1LVDS/eDP).
- 1x M.2 E-Key 2230 Slot for Wi-Fi & BT, 1x M.2 M-Key 2280 Slot for storage.
- Support Intel® vPro*
- 9-36V wide voltage design.
- Support Watchdog.

I/O Overview
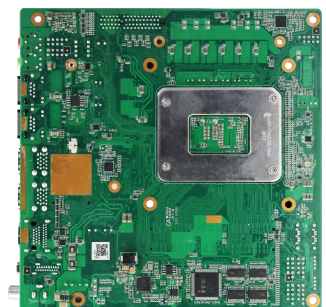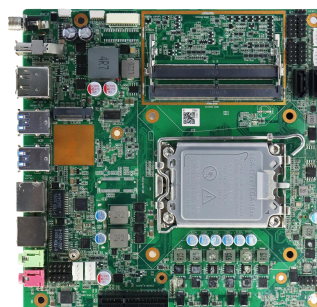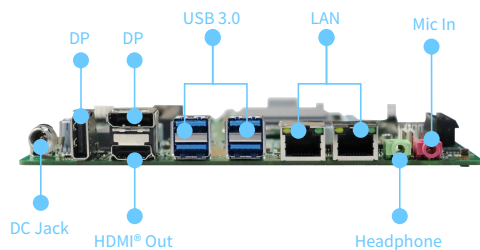
*Depend on CPU.

Specifications

Model			M22-ADLPS-ITX01
CPU			12th Gen Intel® Core™ & Celeron™ Processors with LGA1700, TDP: 15W-45W
Memory	**Type**		2x DDR5 4800MHz SO-DIMM, Dual Channels
	Capacity		Max.64G
Graphic	**Controller**		Intel® Iris XeGraphics
	Connector		HDMI®/DP
	Multi-Graphic		4 Independent Displays(Combination of 2DP, 1HDMI®, 1LVDS/eDP)
Network	**Ethernet**	**Controller**	Intel I219LM/Intel I219-V & Intel I226
		Connector	1x 1Gb RJ45 1x 2.5Gb RJ45
	WiFi		1x M.2 E-Key 2230 slot for WIFI 6E & BT 5.3, Support PCIe + USB Signal
Audio	**Controller**		Realtek ALC897
Expansion			1x PCIe X4 Gen4 slot, Compatible with X8/X16 Devices
Storage	**M.2**		1x M.2 M-Key 2280 slot, Support PCIe X4 mode
	SATA		2
I/O	**Rear**	**LAN**	2
		USB 3.0	4
		DP	2
		HDMI® Out	1
		Headphone	1
		Mic In	1
		DC Jack	1
	Internal	**USB 2.0**	2x Header
		eDP	1x header, Max. resolution 4096 x 2304@60Hz[1]
		LVDS	Option, Co-lay with eDP, Max resolution up to 1920 x 1200@60 Hz
		COM	4(COM1/2 RS-232, COM3/4 RS232/422/485)
		SATA	2
		Buzzer	1, Only for Industrial application
		GPIO	8 bit
Environment	**Temperature**	**Operating**	0~60° C (32 ~ 140° F)[2]
		Non-operating	-40 ~ 85° C (-40 ~ 185° F)
	Humidity	**Operating**	95%@ 40 °C, non-condensing
		Non-Operating	95% @ 60 °C, non-condensing
Feature	**Watchdog Timer**		Programmable 1 ~ 255 sec/min; System reset
	Intel® vPro		Y[3]
	Intel®Platform Trust Technology		Y
	Intel®Boot Guard		Y
	Intel®VT-X		Y
	Intel® VT-D		Y
Cooling System			1x 4Pin CPU Fan header 1x 4Pin System Fan header
Power Requirement			9~36V DC Input
OS			Win 10/Linux
Bios			Insyde
Form Factor			mini-ITX
Dimensions			170mm x 170mm(6.69" x 6.69")
Remark			[1] eDP resolution depend on the resolution of Panel [2] Depends on CPU speed and cooler solution [3] Depend on CPU

Optional Accessories

Module	Model Name	Wi-Fi Ver.	Bluetooth Ver.	Host Interface
WIFI Module	AX 210	Wi-Fi 6E	BT 5.3	PCIe, USB

Dimensions (Unit: mm)
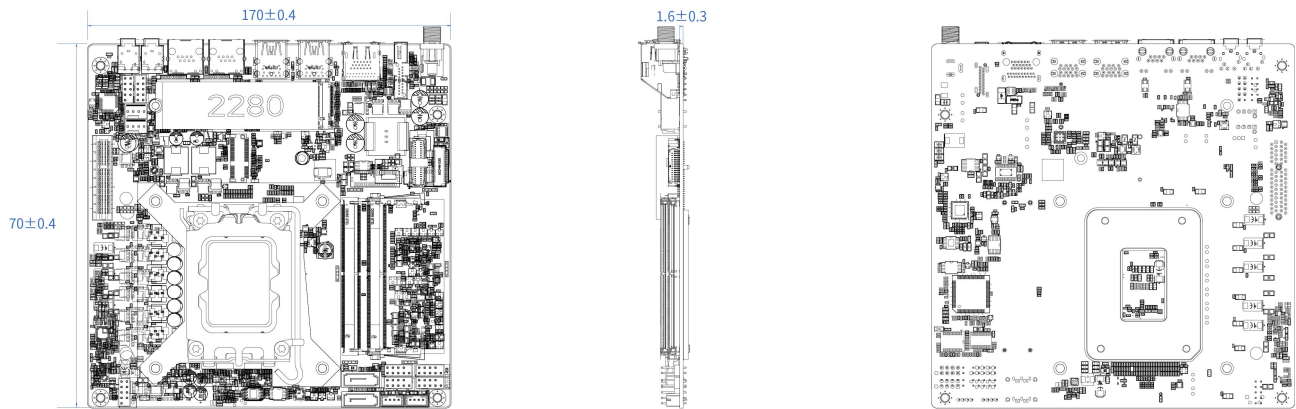
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