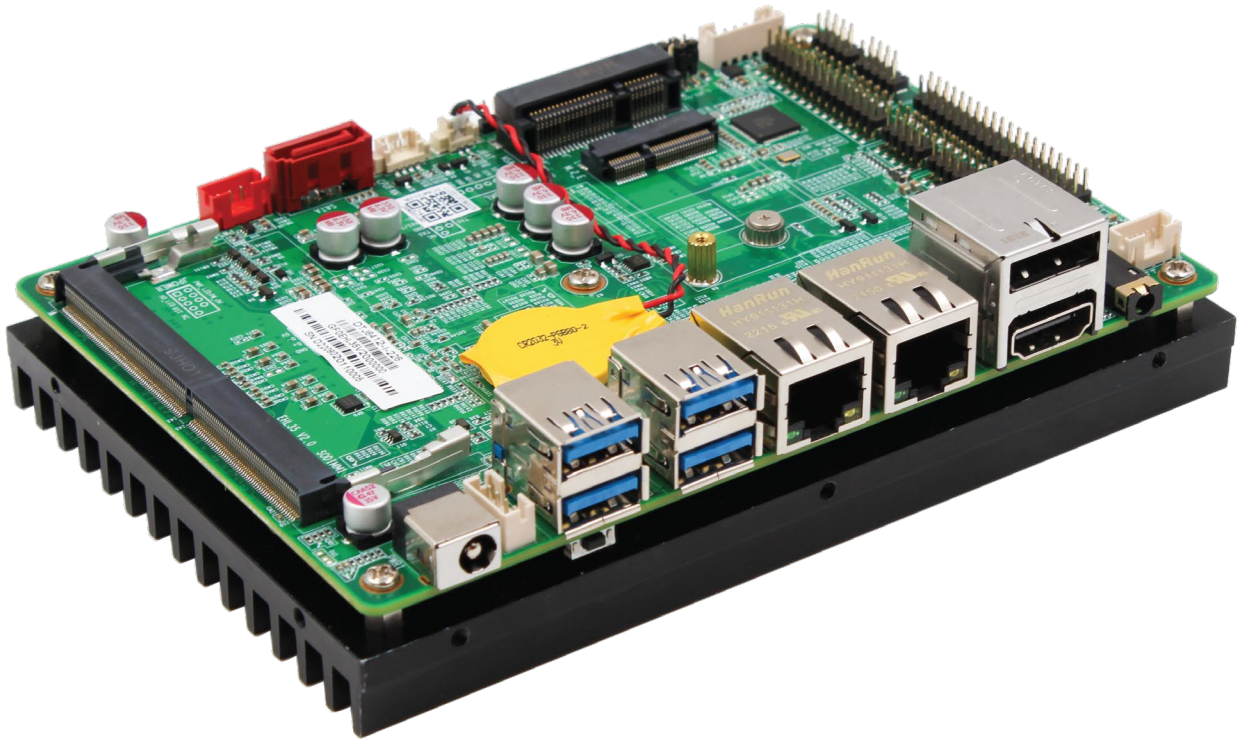
PRODUCT DATASHEET
HW Rev.: V2.0

EHL-35

Intel® Elkhart Lake Processor based 3.5” Single Board Computer



Features

- CPU: Intel® Celeron® Processor J6412
- Memory: Single Channel SO-DIMM DDR4 up to 32GB
- Display: Integrated Graphics display via HDMI, DP, eDP/LVDs
- Ethernet: 2xIntel® i226, 10/100/1000/2500Mbps
- Storage: SATA3.0, mSATA
- Expansion: M.2 Key E for 2230 WiFi & BT Module
- Power: 12V DC input

intel prestige partner Builder

Maxtang®
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

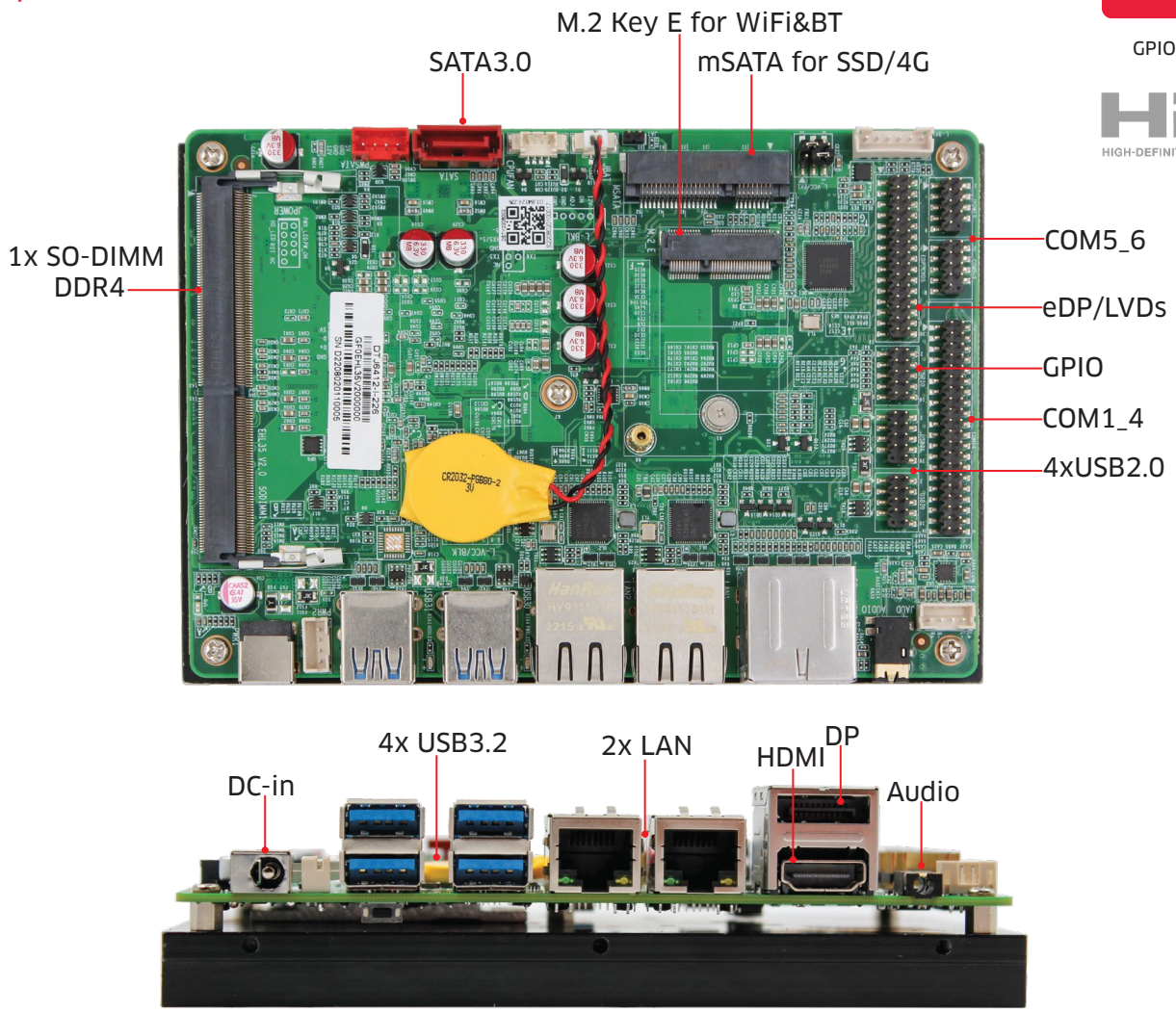
Introduction

The Maxtang EHL-35 is a 3.5" disk-size single-board based on the Intel Celeron J6412 processor, 4Cores 4Threads, 1.5M Cache, and up to 2.60GHz for burst frequency. It supports 1xSO-DIMM DDR4 max to 32 GB, and displays via Intel UHD Graphics through HDMI, DP, and eDP. Features two 2.5GbE Ethernet controllers, M.2 for Wi-Fi, SATA, and mSATA for storage. A rich input/output interface includes 6xCOM, 8xUSB, GPIO, and CTIA audio jack with standard 12V DC-in, which caters to most market requirements.

The board provides powerful performance with low power consumption, ideal for various industrial applications. It retains a robust design at a new cost-effective price point and is great for energy saving. The sustainable features with a long-lasting life cycle bring increased productivity with stable, reliable real-time production.

Linux
ubuntu
Windows
H/W Monitor
Watchdog
GPIO
Brightness
HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

I/O Interfaces

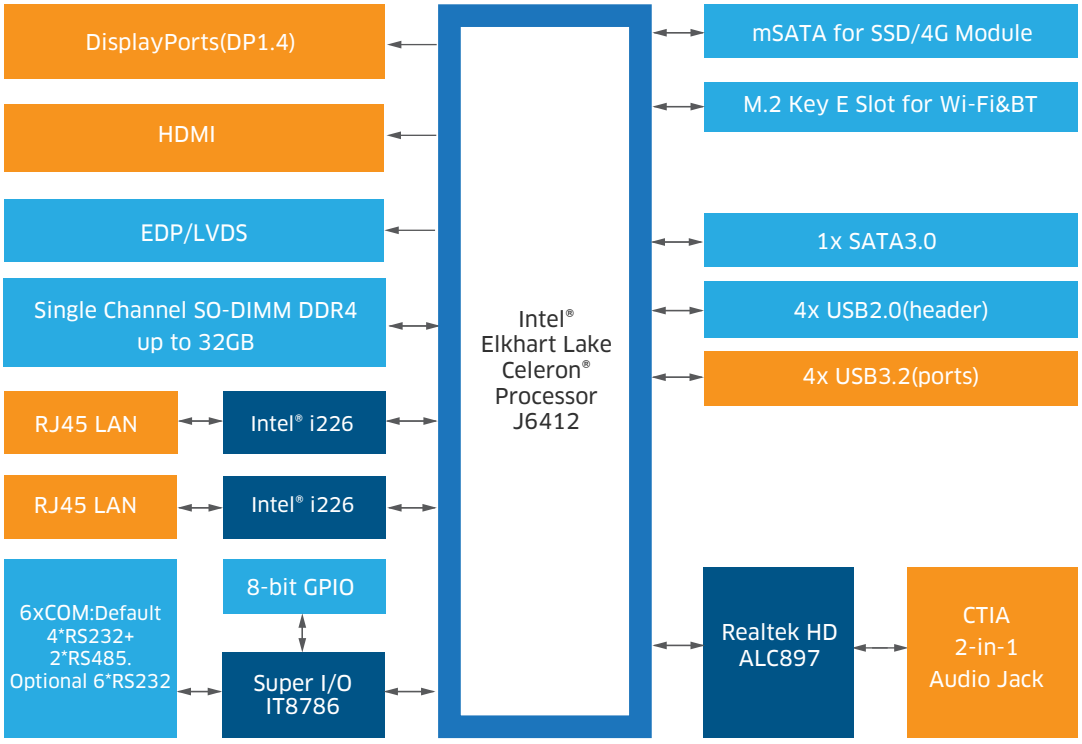


Technical Specifications

Processor	CPU	Celeron J6412
	Total Cores/Threads	4T/4C
	Base Frenquency	2.0GHz
	Burst Frequency	2.6GHz
	L2 Cache/L3 Cache	1.5MB/4MB
	TDP	10W
	BIOS	AMI UEFI BIOS
Memory	Type	Single Channel SO-DIMM DDR4
	Max. Capacity	32GB
Display	GPU	Integrated Intel® UHD Graphics for 10th Gen Intel® Processors
	Display via	1 x HDMI® + 1 x DP + 1 x eDP/LVDs
Ethernet	Controller	2 x Intel® i226
	Speed	10/100/1000 Mbps
	Interface	2 x RJ45
	Wake on LAN	Yes
Audio	Audio Codec	Realtek HD ALC897
	Interface	1 x CTIA Audio Jack, Line-out + Mic-in in one, supports power amplifier
Hardware		CPU system temperature, on-board DC-in voltage, watchdog, auto power on
Storage	mSATA	1 x mSATA for SSD/4G Module
	SATA3.0	1 x SATA3.0
Expansion	M.2	1 x M.2 Key_E for 2230 Wi-Fi and Bluetooth
	SIM	SIM optional
I/O Interface	COM	6 x COM: 4*RS232+2*RS485(COM5_6) by default, or 6*RS232 Optional
	USB3.2	4 x USB3.2(ports)
	USB2.0	4 x USB2.0(headers)
	GPIO	8-bit
Dimension	Size	146 mm x 102mm
	Form Factor	3.5” SBC
Power	Standard Port	12V DC-in
	Peripheral Input	For Fan and SATA
	LED Indicator	Power Indicator
Temperature	Operating Temp.	-20°C to 60°C
	Storage Temp.	-40°C to 80°C
Operating System		Win10/11 64bit, Linux 64bit

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

Functional Block Diagram



Order Information

Model Name	Description
DTJ6412-I-226	DT Intel Celeron J6412 EHL35V2 1DDR4 2LAN(2.5G) 4*RS232 2*RS485 DP+HDMI+LVDS

***For customized options, please contact regional sales. Model names and descriptions are subject to change; please confirm before purchase.

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