



EPC-EHL-DIN

Intel® Elkhart Lake Fanless Din Rail System

Intel® Elkhart Lake Processor x6413E
 Intel® UHD Graphics, Max. Up to 32EU
 1-Memory Socket, Max. Up to 32GB DDR4 3200
 Rich I/O, 4-USB, 1-HDMI, 1-DP, 2-LAN, 4-RS232 in, 1-Line-out
 2-M.2, Key-E/B for Wi-Fi, LTE, SSD, I/O module
 Fanless Operating Temp, -40 ~ 70°C
 Wide Range DC Power Input, +9V~36V
 Default dTPM 2.0

+ Spec

. System Information

Processor	Intel Atom® x6413E Processor (1.5M Cache, up to 3.00 GHz, 9W)
System Memory	1 x 260-Pin SO-DIMM Socket, Max. Up to 32GB DDR4 3200MTs
BIOS Information	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
TPM	TPM 2.0

.-Expansion-

M.2	1 x M.2 (Key-B, 2242/3042, PCIe x2, or (PCIe x1 + USB3.1 GEN1), or (SATAIII + USB 3.1 GEN2), USB2.0, SIM Slot for *Default is PCIe x1/SATAIII+USB3.1 GEN1, others through BIOS Modification. 1 x M.2 (Key-E, 2230, PCIe x1, USB2.0)
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.-Storage-

M.2	1 x M.2 (Key-B, 2242)
2.5" Drive Bay	1 x 2.5" Drive Bay (7mm)

.-Rear I/O-

USB Port	2 x USB 3.1 Gen2 (10Gbps) 2 x USB2.0
COM Port	4 x RS232
HDMI	1 x HDMI 2.0b
DP	1 x DP 1.4a
Audio	1 x Mic-in 1 x Line-out
RJ-45	2 x RJ45
Power Button	1 x Power Switch
LED Indicator	1 x Power on/off LED 1 x Storage Access LED

.-Right I/O-

Antenna	4 x Antenna Mounting with Dust Protection Cover
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.-Display-

Graphic Chipset	Intel® UHD Graphics for 10th Gen Intel® Processors
Resolution	1 x HDMI 2.0b Max resolution 4096x2160@60Hz 1 x DP 1.4a Max resolution 4096x2160@60Hz

.-Audio-

Audio Codec	Realtek ALC888S
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.-Ethernet-

LAN Chipset	2 x Intel® I226-IT
Specification	2 x 10/100/1000/2.5G Base-Tx GbE compatible

.-Power Requirement-

DC Input Voltage	Typical +9~36Vdc
DC Input Connector	1 x Lockable DC Jack
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter

.-Software Support-	
OS Information	Win10, Win11, Linux
.-Certification-	
Certification Information	CE, FCC Class B
.Mechanical & Environmental	
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F) with 0.2m/s air flow
	-40°C ~ 70°C (-40°F ~ 158°F) with 0.5m/s air flow



Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	177 x 123 x 65mm
Vibration Test	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Test	With SDD : 55G, IEC 60068-2-27, Half Sine, 11ms, 3Axis, 6 Face
Drop Test	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Construction	Aluminum + Metal
.Ordering Information	
Ordering Information	EPC-EHL-X13-B1-2R
	Intel® ATOM® Processor x6413E Fanless Din-Rail System
	E1702031831R Australia Power Cord
	E1702031833R USA Power Cord
	E170P060380R UK Power Cord
	E1702031000R EU Power Cord

