



Features

- Intel Atom® x6413E Processor
- 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, 8-RS232, 1-Mic-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, Wall Mount Kit



HDMI+DP
4K@60Hz



8-COM
Support



Vibration/
Shock
5G/55G



Wide Temp.
-40~70°C



Dual-DC Input
+12/24Vdc

Specifications

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
SBC	ECM-EHL

Expansion

M.2	1 x M.2 (Key-B, 2242/3042, PCIe2, or (PCIex1+USB3.1 GEN1), or (SATAIII + USB 3.1 GEN2), USB2.0, SIM Slot for LTE Cards) *Default is PCIe1/SATAIII+USB3.1 GEN1, others through BIOS Modification. 1 x M.2 (Key-E, 2230, PCIe1, 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)

Front I/O

Power Button	1 x Power Button
COM Port	4 x RS232
LED Indicator	1 x Power on/off LED 1 x Storage Access LED

Rear I/O

USB	2 x USB 3.1 Gen2 (10Gbps) 2 x USB2.0
COM Port	4 x RS232
LED Indicator	1 x Power on/off LED 1 x Storage Access LED
LAN Port	2 x RJ45
Audio	1 x Mic-in, 1 x Line-out
DP	1 x DP 1.4a
HDMI	1 x HDMI 2.0b
Antenna	2 x Antenna Mounting with Dust Protection Cover
AC/DC Input	1 x Lockable DC Jack

Right I/O

Antenna	2 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® I226IT
Specification	2 x 10/100/1000/2.5G Base-Tx GbE compatible

Power Requirement

Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter
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Software Support

OS	Win10, Win11, Linux
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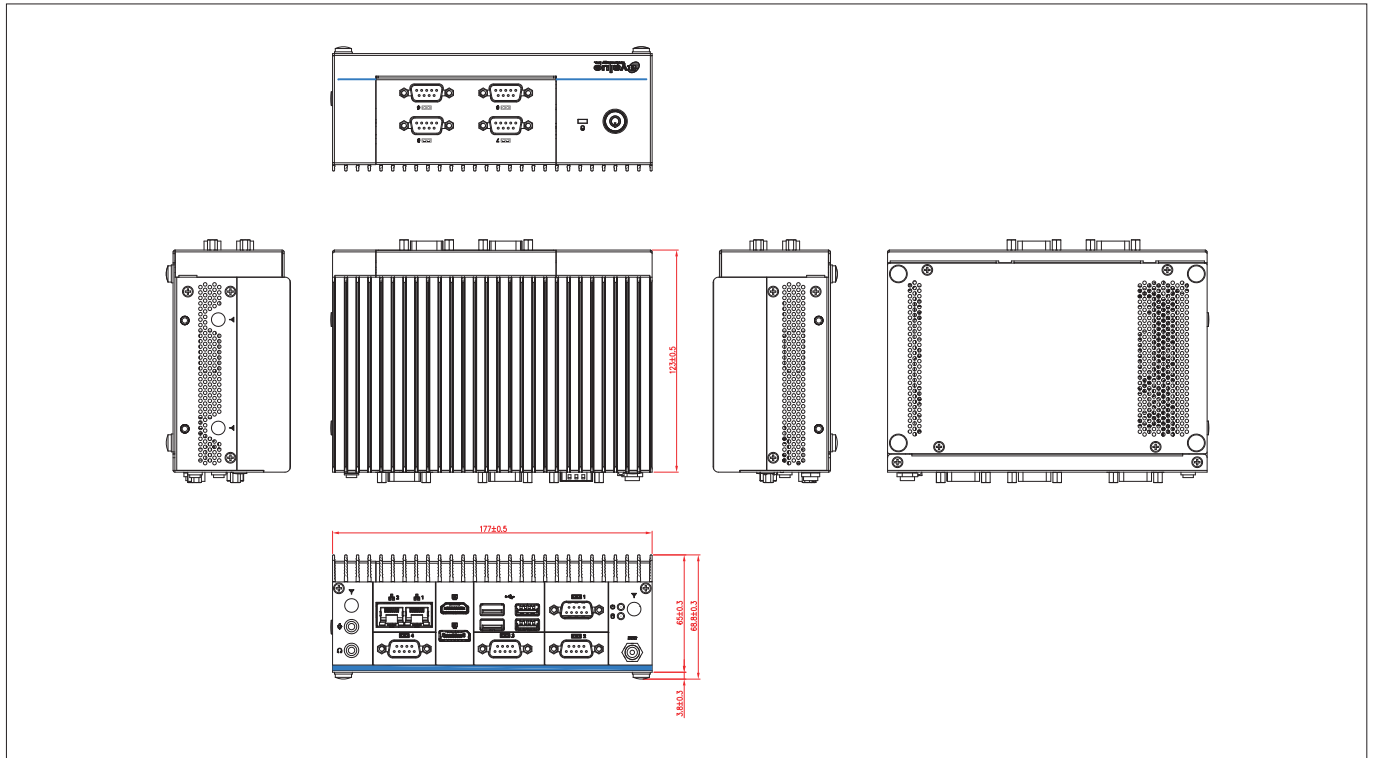
Certification

Certification Information	CE, FCC Class B, UKCA
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Mechanical & Environmental

Operating Temp.	-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 Temp.	-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
Mounting Kit	Wall Mount Kit (Default)

Mechanical Drawing



Ordering Information

P/N	Processor	Memory	Adapter	Mounting Kit	Working Temp.	I/O Ports (COM/USB/LAN)	Display Output	Power Input	OS Support
EPC-EHL-X13-B1-3R	Intel® ATOM® Processor x643E	4GB DDR4	12V/5A	Wall mount	-40°C~70°C	8/4/2	DP/HDMI	+12V/24V DC in	Win 10, Win 11, Linux

Packing List

Item	Quantity
EPC-EHL System	1
AC/DC Adapter 12V/5A	1
Wall Mount	2
DP to VGA Adapter Cable Type	1
Screw Kit for Peripherals	1

Optional Items

Item	P/N
Power Cord 3P (F)-3P (M) 183cm, USA Type	E1702031833R
Power Cord SL-6+SL-3 183cm, EU Type	E1702031000R
Power Cord 3P (F)-3P (M) 183cm, Japan w/PSE Type	E1702031834R
Power Cord 0P-026+SL-3 183cm, UK Type	E170P060380R
Power Cord 3P (F)-3P (M) 183cm, Australia Type	E1702031831R

I/O Overview

