



EPC-EHL-8COM

Intel® Elkhart Lake Fanless Compact 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, 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

+ 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 3200MT/s |
| BIOS Information | AMI uEFI BIOS, 128Mbit SPI Flash ROM |
| Watchdog Timer | H/W Reset, 1sec. ~ 65535sec. |
| HW 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, PCIe2, or (PCIe1+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) |
| -Storage- | |
| M.2 | 1 x M.2 (Key-B, 2242) |
| 2.5" Drive Bay | 1 x 2.5" Drive Bay (7mm) |
| -Front I/O- | |
| COM Port | 4 x RS232 |
| Power Button | 1 x Power Button |
| LED Indicator | 1 x Storage Access LED |
| -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 |
| LED Indicator | 1 x Power on/off LED 1 x Storage Access LED |
| Antenna | 2 x Antenna Mounting with Dust Protection Cover |
| -Right I/O- | |
| Antenna | 2 x Antenna Mounting with Dust Protection Cover |
| -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 |
| -Ethernet- | |
| LAN Chipset | 2 x Intel® I226IT |
| 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- | |



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|---------------------------------------|---|
| 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 |
| Mounting Kit | Wall Mount Kit (Default) |
| Construction | Aluminum + Metal |
| Ordering Information | |
| Ordering Information | EPC-EHL-X13-B1-3R Intel® ATOM® Processor x6413E Fanless Compact System, w/8COM E1702031831R Australia Power Cord E1702031833R USA Power Cord E170P060380R UK Power Cord E1702031000R EU Power Cord |

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