

EPC-WCL

Intel® Core processors Wildcat Lake U-series
Fanless Ultra Slim System



Product Features

- Intel Core Series 3 Processors Wildcat Lake
- One SO-DIMM socket, Max. up to 48GB DDR5 6400Mhz
- Triple M.2 Slot, Key-E/B/M for Wi-Fi, LTE, SSD and I/O module
- Support TPM2.0, iAMT, Din Rail Mount, VESA Mount
- Latest Xe3 GPU architecture
- Dual Intel® 2.5 Gigabit Ethernet
- Triple Display, DP 1.4a, HDMI 2.0b, USB Type-C with 45W PD
- 12-24V DC Wide Range Power Input

Specification

System Information

Processor	Intel Core Series 3 Processors Wildcat Lake
System Memory	1 x 262-pin SO-DIMM socket (Capacity Max.Up to 48GB DDR5 6400MHZ)
I/O Chipset	EC-ITE: IT5782VG
BIOS Information	AMI uEFI BIOS, 256Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. – 65535sec./min.1sec. or 1min. step
H/W Status Monitor	CPU temperature monitoring Voltages monitoring CPU fan speed control
TPM	On Board TPM 2.0

Expansion

M.2	1 x M.2 Key-E 2230 (support wifi7/BT6 module) 1 x M.2 Key-B (PCIe x2, USB3.2 and USB 2.0) 1 x M.2 Key-M 2280 (PCIe Gen4 x2)
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Storage

M.2	1 x M.2 Type B 2242/3042/3052 (with PCIe x1) 1 x M.2 Key-M 2280 (with 1 x PCIe Gen4 x2) for storage NVMe SSD
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Front I/O

USB	2 x USB 2.0
Power Button	1 x Power Button w/LED
Reset Button	1 x Reset Button
COM Port	2 x COM Port RS232/422/485 via cable *Selected by BIOS
LED Indicator	1 x Power on/off LED 1 x Storage Access LED
Audio	1 x Mic-In 1 x Line-Out

Rear I/O

USB	2 x USB 3.2 Gen 1 x1 Type A 1 x USB 3.2 Gen 2 x1 Type A 1 x USB Type-C
LAN Port	2 x RJ45
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

Display

Graphic Chipset	Intel® 3rd Gen Xe cores Graphics
Resolution	1 x DP 1.4a 1 x USB Type C support DP 1 x HDMI 2.0b

Audio

Audio Codec	RealTek ALC888S-VD2-GR
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Ethernet

LAN Chipset	LAN1: Intel® I226LM 2.5 Gigabit Ethernet Controller LAN2: Intel® I226V 2.5 Gigabit Ethernet Controller
Data Rate Per Port	LAN1: Intel® I226LM (10/100/1000/2.5G speeds) LAN2: Intel® I226V (10/100/1000/2.5G speeds)

Power Requirement

Voltage Input Spec.	DC in +12V~ +24V
ACPI	Single power ATX Support S0, S3, S4, S5, ACPI 5.0 compliant
Power Mode	AT/ATX (AT is Default Setting)
Adapter	120W AC to DC Adapter

Software Support

OS	Win11 64bit, Linux
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Mechanical & Environmental

Operating Temp.	-10 ~ 60°C (14~140°F) with 0.5m/s air flow
Storage Temp.	-30 ~ 70°C (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	177 x 126 x 57mm(6.97" x 4.94" x 2.24")
Vibration Test	With SSD: 1.5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Test	With SSD: 10G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
Drop Test	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Mounting Kit	Table Stand (Default), Din Rail Mount, VESA Mount (Optional)

Packing List

Items	1 x EPC-WCL 1 x AC to DC Adapter 1 x Table Stand 1 x Screw kits 1 x Wall Mounting Kit
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