



LE-37X – 3.5" Wildcat Lake Series 3 Compact SBC

The LE-37X 3.5-inch SBC is based on Intel® Core™ processors (Series 3), formerly known as Wildcat Lake. Measuring 146 mm x 101 mm, the LE-37X combines DDR5 memory, two PCIe Gen4 NVMe storage sockets, dual Intel® 2.5GbE LAN ports, and support for up to three simultaneous displays for industrial and embedded applications. It's offered in two standard models: the LE-37X7 with Intel® Core™ 7 processor 360 and the LE-37X3 with Intel® Core™ 3 processor 305. Both models feature a performance hybrid architecture and integrated Intel® Graphics. The LE-37X7 also includes an Intel® AI Boost NPU for low-power AI acceleration and CPU/GPU workload offloading and supports 9-35V DC input.

SPECIFICATIONS

CPU	Intel® Core™ 7 processor 360 OR Intel® Core™ 3 processor 305
Memory Type	1 x DDR5 SO-DIMM
Maximum Memory Supported	64GB
Integrated Graphics	Intel® Graphics
Display	1 x LVDS (eDP available through OEM hardware modification; see Note 3), 1 x HDMI, 1 x DP++, 1 x USB Type-C with DisplayPort Alt Mode
Watchdog Timer	1 ~ 255 levels reset
LAN Ports	2 x Intel GbE LAN
Extended Interface	2 x M.2 (Key M 2280) support PCIe Gen4 for NVMe (NVMe1 PCIe x2 interface, NVMe2 PCIe x1 interface), 1 x M.2 2230 Key E for Wi-Fi and Bluetooth
Internal I/O	4 x RS-232, 2 x RS-232/485/422, 2 x USB2.0, 1 x GPIO, 1 x SMBus, 1 x LCD inverter, 1 x LVDS(Note1), 1 x Audio, 1 x Audio Amplifier(Note2)
Rear I/O	2 x USB 3.2 Gen 2, 2 x USB2.0, 2 x LAN, 1 x HDMI, 1 x DisplayPort ++, 1 x USB Type-C with DisplayPort Alt Mode
Audio	Realtek HD Audio
Power Requirement	DC input 9~35V

Dimensions	5.75" x 3.98" (146mm x 101mm)
Operating Temperature	0°C~60°C
Relative Humidity	10% to 90% (non condensing)
Global P/N / SKU	3309002

Ordering Options

3309002A: With Core 7 processor 360 + Cooler fan, support HDMI, LVDS, DP ++, Type-C (DP Alt. Mode), 2.5G LAN 3309002B: With Core 3 processor 305 + Cooler fan, support HDMI, LVDS, DP ++, Type-C (DP Alt. Mode), 2.5G LAN Note 1: Onboard 18/24-bit single/dual channel +3.3V/ +5V/ +12V LVDS Note 2: Audio Amplifier with 3Watt for 4ohm speaker. Note 3: LVDS and eDP share the same connector and cannot be used simultaneously. Standard models are configured for LVDS. eDP requires an OEM hardware modification.

Some of our successful brand partners

