



LP-17B – Pico-ITX Miniboard Equipped with Intel® Core™ Meteor Lake Ultra U Processor

The LP-17B is a Pico-ITX form factor board equipped with an Intel® Core™ Meteor Lake Ultra U Processor, allowing for power and efficiency with a minuscule footprint. It features the Advanced Intel® AI Boost NPU for low-power AI acceleration and CPU/GPU offload. The LP-17B is a highly capable and cutting-edge industrial miniboard solution.

SPECIFICATIONS

CPU	Intel® Core™ Meteor Lake Ultra U Processors
Memory Type	262-pin DDR5 5600MHz SO-DIMM
Memory Slots	1
Maximum Memory Supported	32GB
Integrated Graphics	Intel® Graphics
Serial ATA (SATA)	1 x SATA III
Watchdog Timer	Generates a system reset with internal timer for 1 min/s ~ 255 min/s
Video	1 x HDMI, 1 x DisplayPort++, 1 x USB Type-C (DP Alt. Mode)
Audio	Realtek ALC888S HD Audio
LAN Ports	1 x Intel® I226LM 2.5GbE, 1 x Intel® I226V 2.5GbE
Extended Interface	1 x M.2 E-Key 2230 for Wi-Fi and Bluetooth, 1 x M.2 M-Key 2280 PCIe x4 Gen4 or SATA
Internal I/O	1 x SATA III, 2 x USB 2.0, 1 x Audio Amplifier, 1 x GPIO, 1 x RS-232/422/485, 1 x eDP/LVDS (with optional module, contact sales for more details)

Rear I/O	1 x HDMI, 1 x DisplayPort++, 1 x USB Type-C (DP Alt. Mode), 2 x LAN, 1 x USB 3.2 Gen 2
Power Requirement	DC input 12V±5%
Dimensions	3.94" x 2.83" (100mm x 72mm)
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Storage Temperature	-20 ~ 80 °C (-4 ~ 176 °F)
Relative Humidity	10 ~ 90% (non-condensing)
OS Software Supported	Windows 11 64-bit
Global P/N / SKU	2809190

Ordering Options

LP-17B7 (SKU# 2809190A): Pico-ITX Motherboard with Intel® Core™ Ultra 7 165U Processor LP-17B5 (SKU# 2809190B): Pico-ITX Motherboard with Intel® Core™ Ultra 5 135U Processor