LP-17C – Pico-ITX Miniboard with Intel® Atom™ Amston Lake Processor X Series

The LP-17C Pico-ITX Miniboard is designed for Intel® Atom™ Amston Lake Processor X supporting one DDR5 SO-DIMM up to 32GB at 4800MHz. It used Intel® Graphics Technology that provides high-end media and graphics capabilities for devices that display videos, 2D/3D graphics and interactive content. In addition, the LP-17C provides advanced solutions for imaging, machine vision and digital signage applications using the integrated HDMI and Type-C (DP alt. mode) ports.

SPECIFICATIONS

CPU	Intel® Atom Processor X Series (Amston Lake)
Memory Type	262-pin DDR5 4800MHz SO-DIMM (Non-ECC)
Memory Slots	1
Maximum Memory Supported	32GB
Watchdog Timer	Generates a system reset with internal timer for 1 min/s ~ 255 min/s
GPIO Interface	1 x GPIO
Integrated Graphics	Intel® UHD Graphics
Video	1 x DisplayPort++, 1 x HDMI, 1 x Type-C (DP Alt. Mode), 1 x eDP
LAN Ports	2 x Intel® I226 2.5 GbE
Serial ATA (SATA)	1 x SATA III (See ordering options)
Extended Interface	1 x M.2 2230 (Key E) for Wi-Fi and Bluetooth, 1 x M.2 2280 (Key M) support Gen3 PCIe x4 for NVMe
Internal I/O	2 x USB 2.0, 1 x SMBus, 1 x GPIO, 1 x RS-232/422/485, 1 x DC-Out, 1 x Header for eDP/LVDS (LVDS support requires module, please contact sales), 1 x Speaker Out with Amplifier

Rear I/O	1 x DP, 1 x HDMI, 1 x Type-C (DP Alt. Mode), 1 x USB 3.2 Gen2, 2 x LAN
Audio	Realtek ALCC888S HD Audio with 3W amplifier for 4 ohm speaker
Power Requirement	DC input 12V±5%
Dimensions	3.94" x 2.83" (100mm x 72mm)
Operating Temperature	-40 ~ 85°C (-40 ~ 185°F)
Storage Temperature	-40 ~ 85 °C (-40 ~ 185 °F)
Relative Humidity	10 ~ 90% (non-condensing)
OS Software Supported	Windows 10 64-bit, Windows 11 64-bit
Global P/N / SKU	2809206

Ordering Options

LP-17CX4 (SKU# 2809206A): Pico-ITX board with Atom™ x7433RE + Heat Spreader, support HDMI, eDP, DP++, Type-C (DP Alt. Mode), 2.5G LAN LP-17CX8 (SKU# 2809206B): Pico-ITX board with Atom™ x7835RE + Cooler Fan, support HDMI, eDP, DP++, Type-C (DP Alt. Mode), 2.5G LAN, SATA LP-17CX2 (SKU# 2809206C): Pico-ITX board with Atom™ x7213RE + Heat Spreader, support HDMI, eDP, DP++, Type-C (DP Alt. Mode), 2.5G LAN, SATA LP-17CX1 (SKU# 2809206D): Pico-ITX board with Atom™ x7211RE + Heat Spreader, support HDMI, eDP, DP++, Type-C (DP Alt. Mode), 2.5G LAN, SATA

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