



Commell LP-179 – Pico-ITX Motherboard with Intel® Tiger Lake UP3 Processor

Pico-ITX Motherboard

The LP-179 is a Pico-ITX motherboard that was designed around the Intel® Tiger Lake UP3 processor. It provides excellent performance in a small form factor. The LP-179 can drive two displays at once with the use of HDMI and DisplayPort. This board is an excellent solution for industrial integration with its ultra-low power consumption and great performance.

SPECIFICATIONS

CPU	Intel® Tiger Lake UP3 Processor
Memory Type	260-pin DDR4 3200MHz SO-DIMM
Memory Slots	1
Maximum Memory Supported	32 GB
Integrated Graphics	Intel® Iris® Xe Graphics
Watchdog Timer	Generates a system reset internal timer for 1min ~ 255 min
Serial ATA (SATA)	1 x SATA III
Video	1 x HDMI, 1 x DP, Header for LVDS or VGA (video module needed)
LAN Ports	1 x Intel® I219-LM Gigabit PHY LAN, 1 x Intel® I210-AT Gigabit LAN
Extended Interface	1 x M.2 2230 (Key E) for Wi-Fi and Bluetooth, 1 x M.2 2280 (Key M) supports PCIe Gen4
Internal I/O	2 x RS232, 1 x LPC, 1 x SMBUS, 1 x Audio, 2 x USB 2.0, 1 x DC Out
Rear I/O	1 x DisplayPort, 1 x HDMI, 2 x LAN, 2 x USB 3.2 Gen2
Audio	Realtek ALC262 HD Audio
Power Requirement	DC input 12V±5%
Dimensions	100mm x 72mm
Operating Temperature	32 ~ 140° F (0 ~ 60°)
Storage Temperature	-4 ~ 176°F (-20 ~ 80°C)
Relative Humidity	10 ~ 90% non-condensing
OS Software Supported	Windows 10 64-bit
Global P/N / SKU	2809128

Ordering Options

LP-1797 (SKU# 2809128A) With i7-1185G7E + cooler fan, supports HDMI, DP, Header for VGA or LVDS (see note)
 LP-179C (SKU# 2809128B) With Celeron® 6305E + cooler fan, supports HDMI, DP, Header for VGA or LVDS (see note)
 Note 1: There are two modules and you can choose one to add VGA or LVDS. Please contact sales for

pricing and availability. Note 2: If you want to use other IGL UP3 Processors (I7-1185GRE, I5-1145GRE, I5-1145G7E, i3-1115GRE, i3-1115G4E), please contact sales for pricing and availability.