

>> Datasheet <<

PCM-ADP351



3.5-inch motherboard, with onboard Alder Lake -P/Raptor Lake-P series processors.

Intel Alder Lake -P/Raptor Lake-P series processors

» Supports up to 64GB DDR4 S0-DIMM dual-channel memory, frequency 2133/2666/3200MHz

» Integrated Intel 12th Gen Xe LP Graphics Core

» Supports VGA, HDMI, LVDS (18/24- bit single or dual channel) or EDP

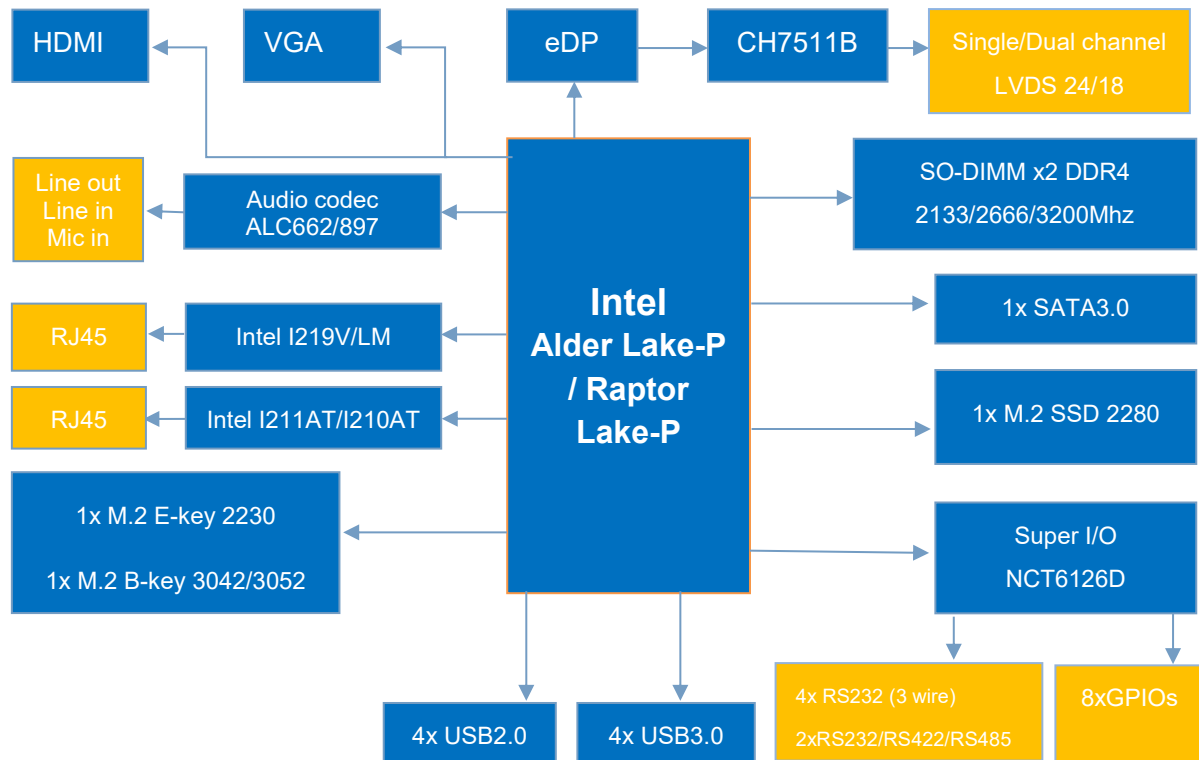
» Supports Intel 10/100/1000Mbit Ethernet, SATA, and NVMe SSDs

» Supports USB 2.0 and USB 3.0 , serial port, and GPIO interface

Input voltage: +12V~+19V , + 12V is recommended .

» Operating temperature: -20 ° C to + 60 ° C (optional -40° C to + 75 ° C)

PCM-ADP351 Block Diagram



Technical Information	
plate type	3.5-inch motherboard
processor	Intel Core i3- 1215U, 2C+4A, up to 4.4 GHz (P-Core) 3.3 GHz (E-Core), 15W-55W Intel Core i3-1215UE, 2C+4A, up to 4.4GHz (P-Core) 3.3GHz (E-Core), 15W-55W Intel Core i3- 1220P, 2C+8A, up to 4.4 GHz (P-Core) 3.3 GHz (E-Core), 28W-64W Intel Core i5-1235U , 2C +8A, up to 4.4 GHz (P-Core) 3.3 GHz (E-Core), 15W-55W Intel Core i5 - 1240P, 4C+8A, up to 4.4 GHz (P-Core) 3.3 GHz (E-Core), 28W-64W Intel Core i5-1245UE, 2C+8A, up to 4.4GHz (P-Core) 3.3GHz (E-Core), 15W-55W Intel Core i7-1255U , 2C +8A, up to 4.7 GHz (P-Core) 3.5 GHz (E-Core), 15W-55W Intel Core i7-1260P , 4C +8A, up to 4.7 GHz (P-Core) 3.4 GHz (E-Core), 28W-64W Intel Core i7-1265U , 2C +8A, up to 4.8 GHz (P-Core) 3.6 GHz (E-Core), 15W-55W Intel Core i7-1265UE, 2C+8A, up to 4.7GHz (P-Core) 3.5GHz (E-Core), 15W-55W Intel Core i3-1315U, 2C+4A, up to 4.5 GHz (P-Core) 3.3GHz (E-Core), 15W-55W Intel Core i5-1335U, 2C+8A, up to 4.6 GHz (P-Core) 3.4 GHz (E-Core), 15W-55W Intel Core i3-1315UE, 2C+4A, up to 4.5GHz (P-Core) 3.3GHz (E-Core), 15W-55W Intel Core i5-1335UE, 2C+8A, up to 4.5GHz (P-Core) 3.3GHz (E-Core), 15W-55W Intel Core i7 -1355U, 2C+8A, up to 5.0 GHz (P-Core) 3.7 GHz (E-Core), 15W-55W Intel Core i7-1365UE, 2C+8A, up to 4.9GHz (P-Core) 3.7GHz (E-Core), 15W-55W
Memory	Two dual-channel SO-DIMM DDR4 memory modules, maximum 64GB, frequency 2133/2666/ 3200MHz
Graphics processing	Supports one HDMI port with a maximum resolution of 3840x2160 @ 60 Hz , and one VGA port with a maximum resolution of 1920x1080 @ 60 Hz. Supports one 18/24-bit single-channel or dual-channel LVDS, with a maximum resolution of 1920x1080 @60Hz , or EDP.
Network card	Supports two Intel 10/100/1000Mbit ^{Ethernet} ports (Intel® I219V and I211AT/I210AT)
storage	Supports one SATA 3.0 interface and one M.2 SSD (M-Key 2280 SSD NVMe).
mPCIe	Supports one M.2 WIFI port (E-Key 2230 PCIe x1 & USB 2.0) Supports one M.2 4G/5G port (B-Key 3042/3052 PCIe x1 & USB2.0)
USB	Supports 4 front-panel USB 3.0/2.0 ports and 4 internal USB 2.0 ports.
serial port	Supports 6 RS232 (3-wire) ports, with COM1 and COM2 selectable between RS232/422/485.
I/O	Supports 8 GPIOs, 1 SIM card slot (optional), and 1 TPM socket.
sound card	ALC662/897 High-Fidelity Sound Card (Line-in, Line-out, Mic-in)
power supply	+12V~+ 19V , + 12V is recommended.
temperature	Operating temperature : -20° C to + 60 ° C (optional: -40° C to + 75 ° C)
size	146 mm x 102 mm
Heat dissipation	Fan cooling
operating system	Windows 10, Windows 11, Linux