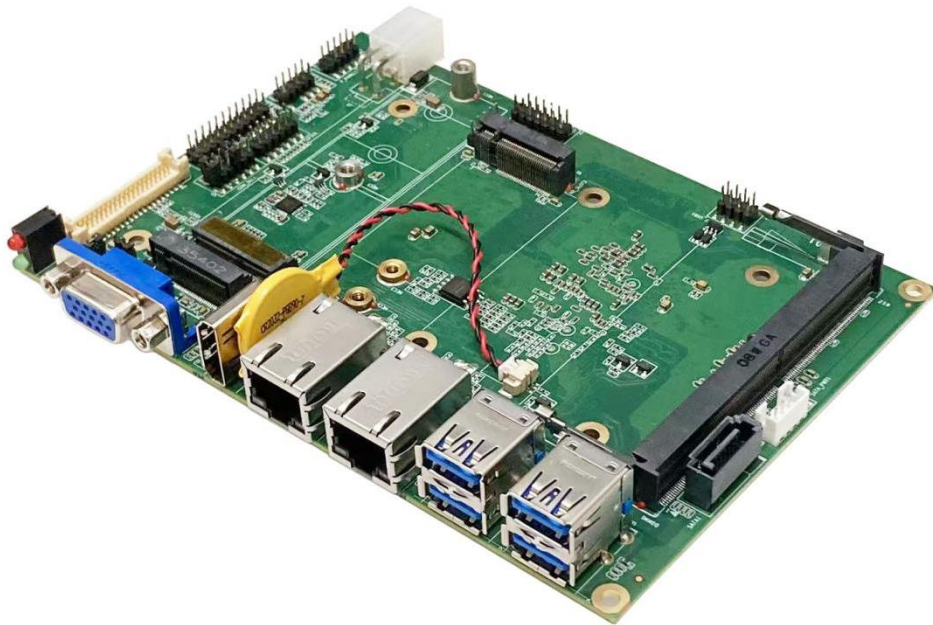


>> Datasheet <<

PCM-ADN351



3.5-inch motherboard, with onboard Alder Lake -N/Twin Lake/Amston Lake series processors.

Intel Alder Lake -N /Twin Lake/Amston Lake series processors

» Supports up to 32GB DDR4 S0-DIMM 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

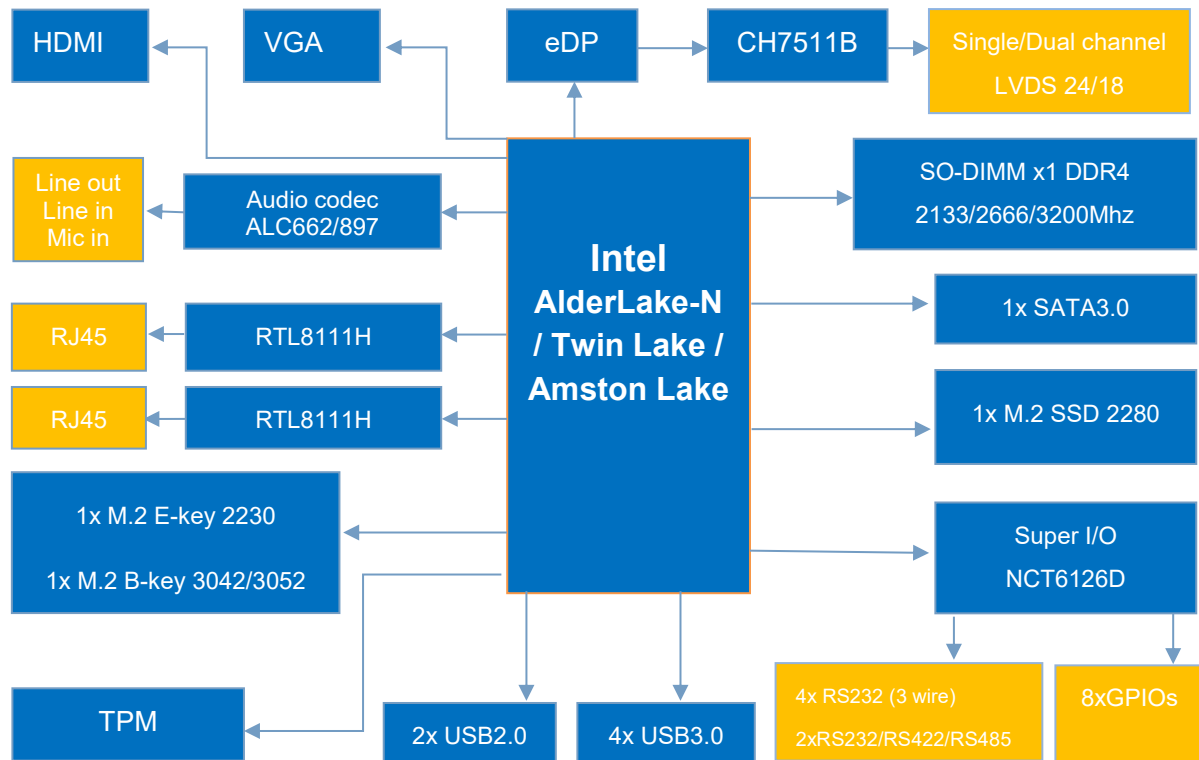
» Supports dual Gigabit 10/100/1000Mbit Ethernet, SATA, NVMe SSD

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

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

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

PCM-ADN351 Block Diagram



Technical Information	
plate type	3.5-inch motherboard
processor	Supports Intel Alder Lake-N /Twin Lake /Amston Lake series, including: Intel N95, 4C4T, up to 3.4 GHz 16 EU iGPU TDP: 15W Intel N97, 4C4T, up to 3.6 GHz 24 EU iGPU TDP: 12W Intel N100, 4C4T, up to 3.4 GHz 24 EU iGPU , TDP: 6W Intel N200, 4C4T, up to 3.7 GHz , 32 EU iGPU , TDP: 6W Intel Core i3 N300, 8C8T, up to 3.8 GHz , 32 EU iGPU , TDP: 7W Intel Core i3 N305, 8C8T, up to 3.8 GHz , 32 EU iGPU , TDP: 15W Intel Atom X7425E, 4 cores and 4 processors, up to 3.4 GHz , 24 EU iGPU TDP: 12W Intel N150, 4C4T, up to 3.6 GHz 24 EU iGPU , TDP: 6W Intel N250, 4C4T, up to 3.8 GHz , 32 EU iGPU , TDP: 6W Intel Core i3 N350, 8C8T, up to 3.9 GHz , 32 EU iGPU , TDP: 7W Intel Core i3 N355, 8C8T, up to 3.9 GHz , 32 EU iGPU , TDP: 15W Intel Atom X7211RE, 2C2T, up to 3.2 GHz , 16 EU iGPU TDP: 6W Intel Atom X7213RE, 2C2T, up to 3.4 GHz , 16 EU iGPU TDP: 9W Intel Atom X7433RE, 4C4T, up to 3.4 GHz , 32 EU iGPU TDP: 9W Intel Atom X7835RE, 8C8T, up to 3.6 GHz , 32 EU iGPU TDP: 12W
Memory	Supports one SO-DIMM DDR4 memory module, up to 32GB, with frequencies of 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 10/100/1000 Mbit Ethernet ports (RTL8111H)
storage	Supports one SATA 3.0 interface and one M.2 SSD (M-Key 2280 SSD NVMe/NGFF).
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 USB2.0)
USB	Supports 4 front-panel USB 3.0/2.0 ports and 2 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 (expandable, optional), and 1 TPM socket.
sound card	ALC662/ALC897 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