

>> Datasheet <<

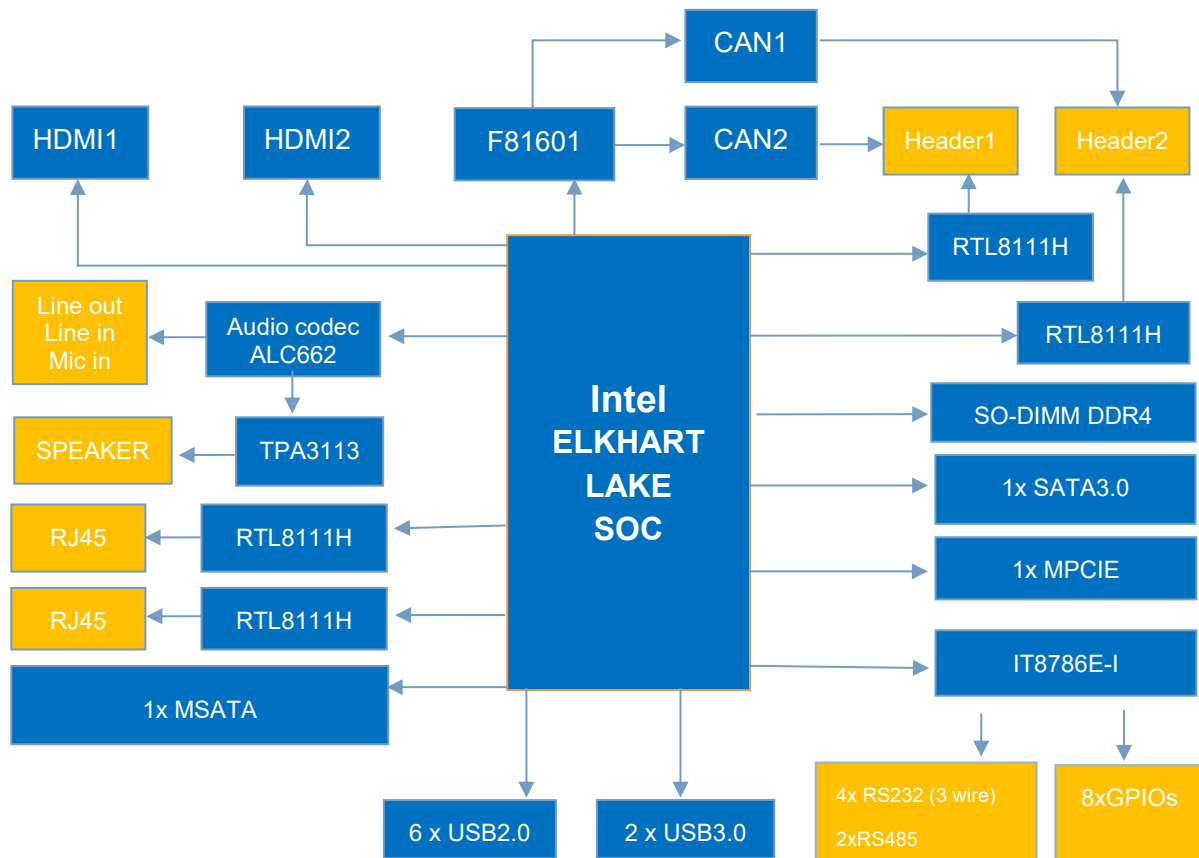
PCM-E401



4-inch motherboard with onboard Intel® Elkhart Lake™ Series SOC

- » Intel® Elkhart Lake series SoCs, power consumption: 6.5~12W
- » SO-DIMM DDR4 memory (1.2V, supports up to 32GB) with a maximum frequency of 3200MHz.
- » Intel's 11th generation graphics core supports DX12, MPEG2, H.264, JPEG/MJPEG, and H.265 (HEVC).
- » Supports dual HDMI and dual CAN channels.
- » Supports 10/100/1000Mbit Ethernet, SATA, and MPCI E.
- » USB 2.0 and USB 3.0 interfaces, RS232/422/485 serial port, GPIO interface.
- » Voltage: +12V ~ +24V, +12V is recommended.
- » Operating temperature: -20 °C ~ +60 °C (optional -40 °C ~ +75 °C)

PCM-E401 Block Diagram



Technical Information	
plate type	4-inch motherboard
processor	Intel® Elkhart Lake series SOC's support: Intel® Celeron® N6210 Dual core 1.2 GHz up to 2.6 GHz , 6.5 W Intel® Celeron® N6211 Dual core 1.2 GHz up to 3.0 GHz , 6.5 W Intel® Celeron® J6412 Quad-core 2.0 GHz up to 2.6 GHz , 10 W Intel® Celeron® J6413 Quad-core 1.8 GHz up to 3.0 GHz , 10 W Intel® Celeron® N6415 Quad-core 1.2 GHz up to 3.0 GHz , 6.5 W Intel® Celeron® J6426 Quad-core 2.0 GHz up to 3.0 GHz , 10 W Intel® Atom® X 6211E dual core 1.3 GHz up to 3.0 GHz , 6 W Intel® Atom® X 6413 E Quad-core 1.5 GHz up to 3.0 GHz , 9 W Intel® Atom® X 6425 E Quad-core 2.0 GHz up to 3.0 GHz , 12 W
Memory	SO-DIMM DDR4 memory (1.2V, supports up to 32GB) with a maximum frequency of 3200MHz .
Graphics processing	Two independent display outputs support HDMI 1.4 (maximum resolution 3840 x 2160).
Network card	It integrates four RTL8111H network chips, two of which are RJ45 chips supporting 10/100/1000Mb/s gigabit networks, and two header chips supporting 10/100Mb/s 100Mb/s 100Mb/s networks.
storage	1 mSATA, 1 SATA 3.0, 1 MPC I/O
USB	Supports 6 USB 2.0 ports and 2 USB 3.0 / 2.0 ports .
serial port	Supports 4 RS232 (3-wire) ports and 2 RS485 ports.
I/O	8 GPIO interfaces, 1 SIM card slot (NanoSIM), 2 CAN interfaces, watchdog circuit
sound card	The ALC662 high-fidelity sound card (Line-in, Line-out, Mic -in) integrates a power amplifier chip and supports up to 4 Ω.8W
power supply	+ 12V to + 24V voltage , + 12V is recommended .
temperature	Operating temperature: -20° C to + 60 ° C (optional -40° C to + 75 ° C)
size	1 65 mm x 1 15 mm
Heat dissipation	Fanless design
operating system	Windows 10 , Windows 11, Linux