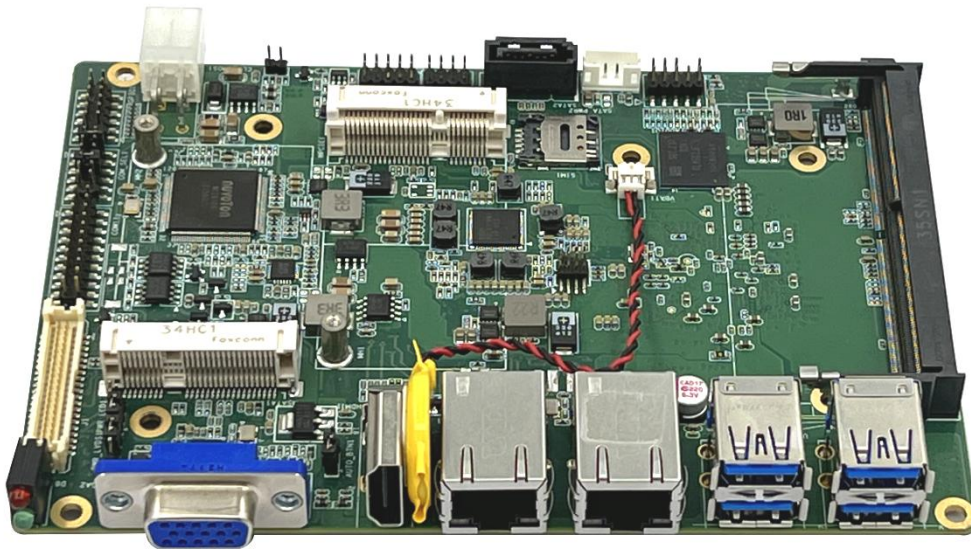


>> Datasheet <<

PCM-GM351



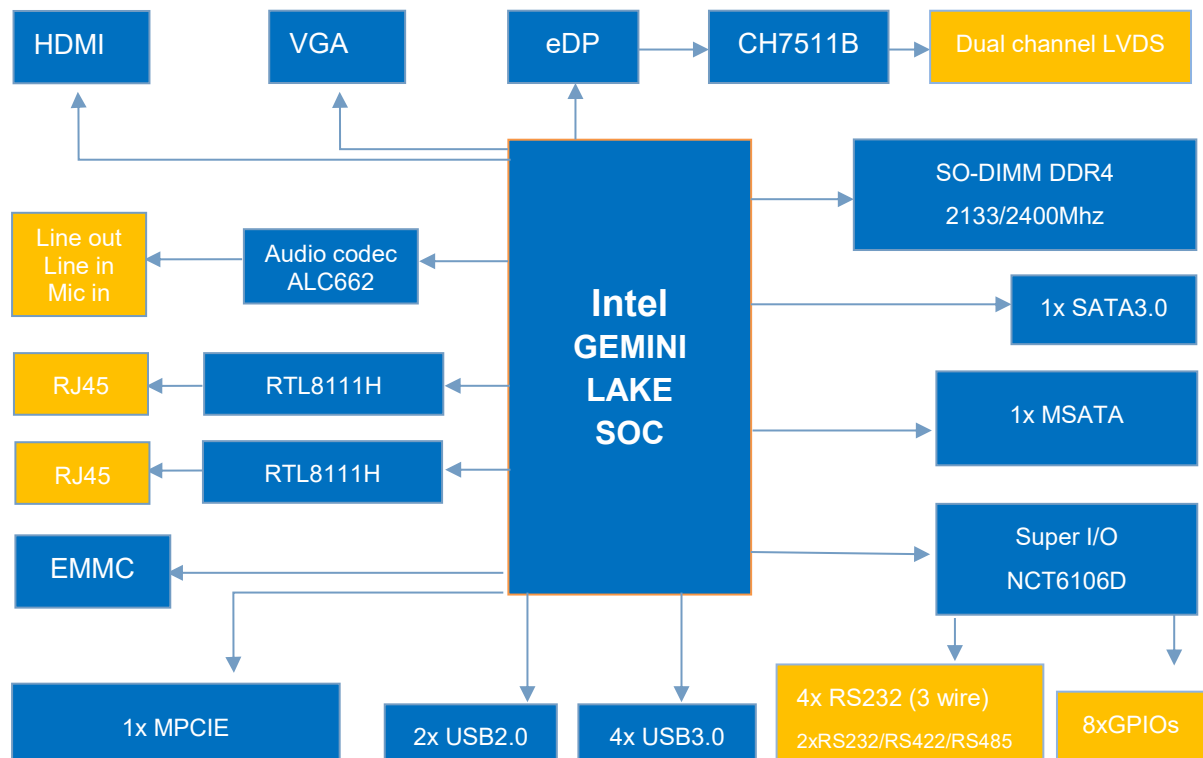
3. 5-inch motherboard with onboard Intel® Gemini Lake Refresh Series SOC

- » Intel® Gemini Lake Refresh series SoC, power consumption: 6-10W
- » SO-DIMM DDR4 memory (1.2V, supports up to 8GB) with a maximum frequency of 2400MHz .
- » Intel's 10th generation graphics core supports DX12, JPEG , H.264, JPEG/MJPEG, and H.265 (HEVC).
- » Supports eDP 1.4a, VGA, HDMI 2.0a , and LVDS (18/24- bit single-channel or dual-channel).
- » Supports 10/100/1000Mbit Ethernet , SATA, and mSATA.
- » USB 2.0 and USB 3.0 interfaces , RS232/422/485 serial port, GPIO interface.

Voltage : + 12V ~+ 19V , + 12V recommended .

- » Operating temperature: -20° C ~ +75° C (optional -40° C ~ +85° C)

PCM-GM351 Block Diagram



Technical Information	
plate type	3.5 -inch motherboard
processor	Intel® Gemini Lake series SoCs support: Intel® Celeron® N4020 Dual core 1.1 GHz up to 2.8 GHz , 6 W Intel® Celeron® N4120 Quad-core 1.1 GHz up to 2.6 GHz , 6W Intel® Celeron® J4025 Dual-core 2.0 GHz up to 2.9 GHz , 10 W Intel® Celeron® J4125 Quad-core 2.0 GHz up to 2.7 GHz , 10 W
Memory	S0-DIMM DDR4 memory (1.2V, supports up to 8GB) with a maximum frequency of 2400MHz .
Graphics processing	Two independent display outputs support eDP (maximum resolution 1920 x 1080) or LVDS (maximum resolution 1920 x 1080) , HDMI 1.2.0 (maximum resolution 3840 x 2160), and VGA (maximum resolution 1920 x 1080).
Network card	Supports two 10/100/1000 Mb/s Ethernet ports, Realtek RTL8111H
storage	One mSATA, one SATA 3.0, one MPCIE, with eMMC support (optional)
USB	Supports 2 USB 2.0 ports and 4 USB 3.0 ports .
serial port	Supports 6 RS232 (3-wire) ports, 2 of which are selectable between RS232/422/485.
IO	8 GPIO interfaces
sound card	ALC662 High-Fidelity Sound Card (Line-in, Line-out, Mic-in)
power supply	+ 12V ~ 19V , + 12V is recommended.
temperature	Operating temperature: -20° C to +75° C (optional: -40° C to +85° C)
size	146 mm x 101 mm
Heat dissipation	Fanless cooling
operating system	Windows 10 , Linux