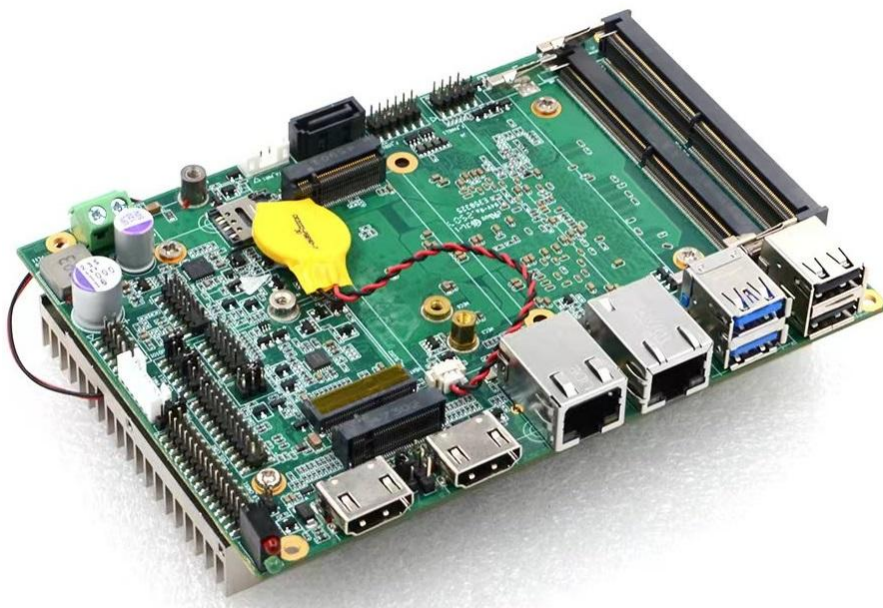


>> Datasheet <<

PCM-M351



3. 5-inch motherboard, Meteor Lake U /H or Arrow Lake U/H series processors

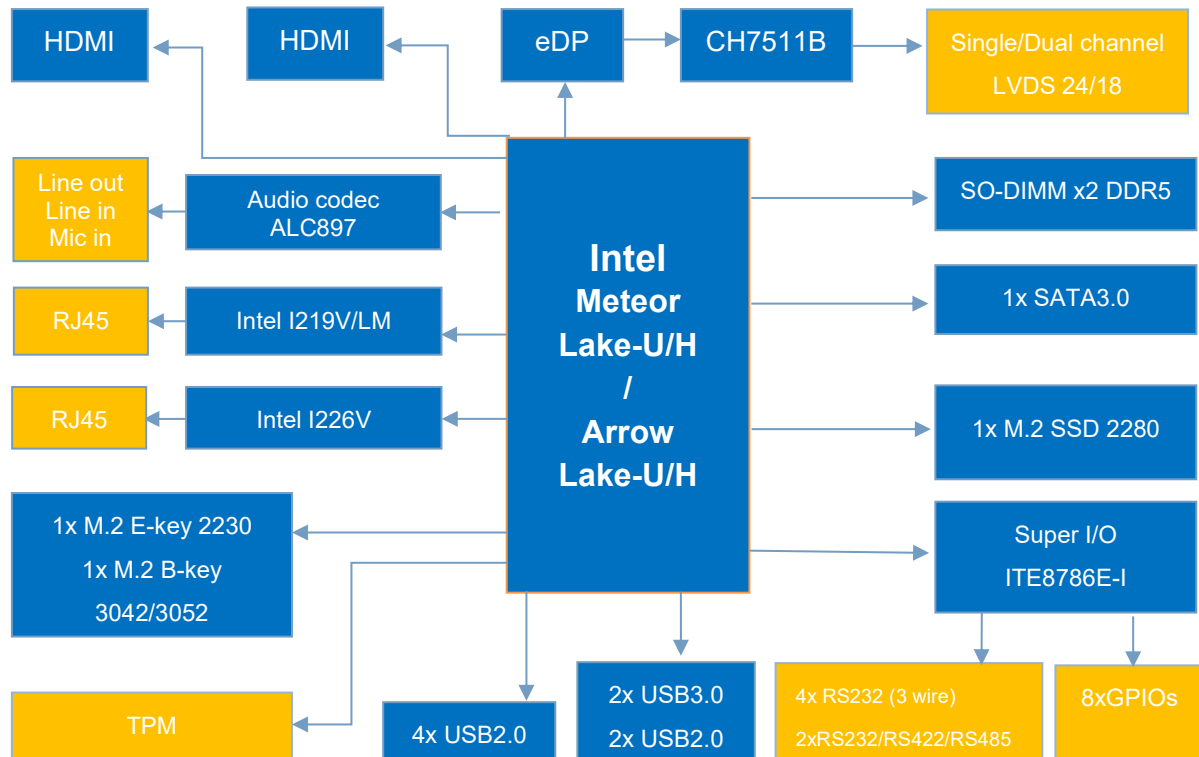
Intel Meteor Lake U/H or Arrow Lake U/H series processors

- » Supports up to 64GB DDR5 S0-DIMM dual-channel memory, frequency 4800MHz
- » Integrated Intel Graphics (Intel Arc Graphics) display core
- » Supports dual HDMI and LVDS/EDP displays
- » Supports Intel 10/100/1000/2500 Mbit Ethernet , SATA, NVMe SSD
- » Supports USB 2.0 and USB 3.0 , serial port, GPIO interface, TPM, and watchdog timer.

Input voltage : +9V~+36V , + 12V recommended .

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

PCM-M351 Block Diagram



Technical Information	
plate type	3.5-inch motherboard
processor	Intel Core™ Ultra 5 115U, 8C(2P+4E+2L) 10T, up to 4.2 GHz, 21 TOPS, 15~57W
	Intel Core™ Ultra 5 125U, 12C(2P+8E+2L) 14T, up to 4.3 GHz, 21 TOPS, 15~57W
	Intel Core™ Ultra 5 135U, 12C(2P+8E+2L) 14T, up to 4.4 GHz, 22 TOPS, 15~57W
	Intel Core™ Ultra 7 155U, 12C(2P+8E+2L) 14T, up to 4.8 GHz, 22 TOPS, 15~57W
	Intel Core™ Ultra 7 165U, 12C(2P+8E+2L) 14T, up to 4.9 GHz, 22 TOPS, 15~57W
	Intel Core™ Ultra 5 125H, 14C(4P+8E+2L) 18T, up to 4.5 GHz, 33 TOPS, 28~115W
	Intel Core™ Ultra 5 135H, 14C(4P+8E+2L) 18T, up to 4.6 GHz, 33 TOPS, 28~115W
	Intel Core™ Ultra 7 155H, 16C(6P+8E+2L) 22T, up to 4.8 GHz, 33 TOPS, 28~115W
	Intel Core™ Ultra 7 165H, 16C(6P+8E+2L) 22T, up to 5.0 GHz, 34 TOPS, 28~115W
	Intel Core™ Ultra 5 225U, 12C(2P+8E+2L) 14T, up to 4.8 GHz, 24 TOPS, 15~57W
	Intel Core™ Ultra 5 235U, 12C(2P+8E+2L) 14T, up to 4.9 GHz, 24 TOPS, 15~57W
	Intel Core™ Ultra 7 255U, 12C(2P+8E+2L) 14T, up to 5.2 GHz, 24 TOPS, 15~57W
	Intel Core™ Ultra 7 265U, 12C(2P+8E+2L) 14T, up to 5.3 GHz, 24 TOPS, 15~57W
	Intel Core™ Ultra 5 225H, 14C(4P+8E+2L) 14T, up to 4.9 GHz, 83 TOPS, 28~115W
	Intel Core™ Ultra 5 235H, 14C(4P+8E+2L) 14T, up to 5.0 GHz, 94 TOPS, 28~115W
	Intel Core™ Ultra 7 255H, 16C(6P+8E+2L) 16T, up to 5.1 GHz, 96 TOPS, 28~115W
	Intel Core™ Ultra 7 265H, 16C(6P+8E+2L) 16T, up to 5.3 GHz, 97 TOPS, 28~115W
Memory	Two dual-channel SO-DIMM DDR5 memory modules, maximum 64GB, frequency 4800MHz
Graphics processing	Supports 2 HDMI ports with a maximum resolution of 3840x2160 @ 60Hz Supports one EDP with a maximum resolution of 3840x2160 @60Hz or one LVDS with a maximum resolution of 1920x1080 @60Hz.
Network card	Supports 1 Intel 10/100/1000Mbit Ethernet (Intel® I219V/LM) and 1 Intel 10/100/1000/2500 Mbit Ethernet (I226V)
SATA	Supports one SATA 3.0 interface and one M.2 SSD (M-Key 2280 SSD NVMe or NGFF).
mPCIe	Supports one M.2 WIFI port (E-Key 2230 PCIe x1 & CNVi & USB2.0) Supports one M.2 4G/5G (B-Key 3042/3052) PCIe x1 & USB2.0
USB	Supports 2 front-panel USB 3.0/2.0 ports and 6 internal-panel USB 2.0 ports (2 front-panel and 4 internal).
serial port	Supports 6 RS232 (3-wire) ports, with COM1 and COM2 selectable between RS232/422/485.
IO	Supports 8 GPIOs, 1 SIM card slot, and 1 TPM socket.
sound card	ALC897 High-Fidelity Sound Card (Line-in, Line-out, Mic-in)
power supply	+9V~+36V, +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

