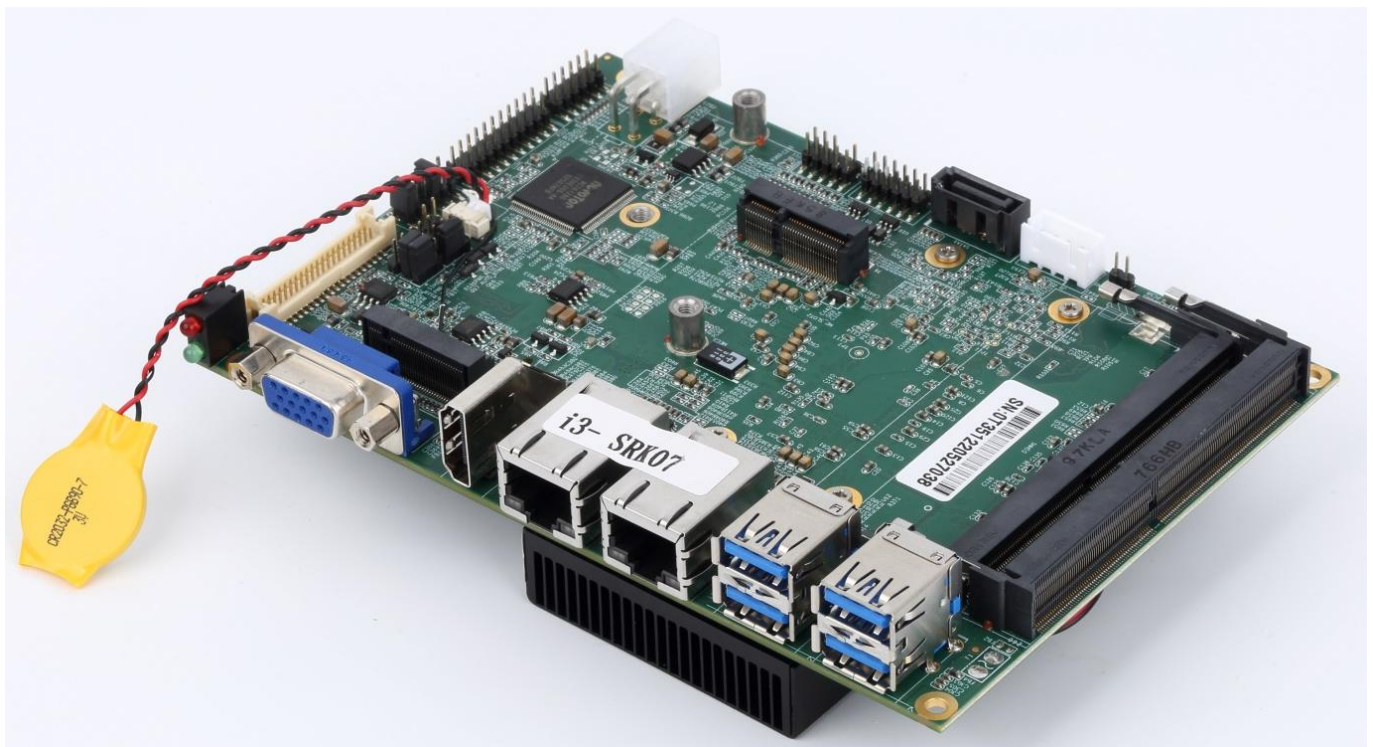


>> Datasheet <<

PCM-T351



3. 5-inch motherboard with onboard TIGER LAKE U -series processor

Intel Tiger Lake U -series processors

» Supports up to 32GB 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

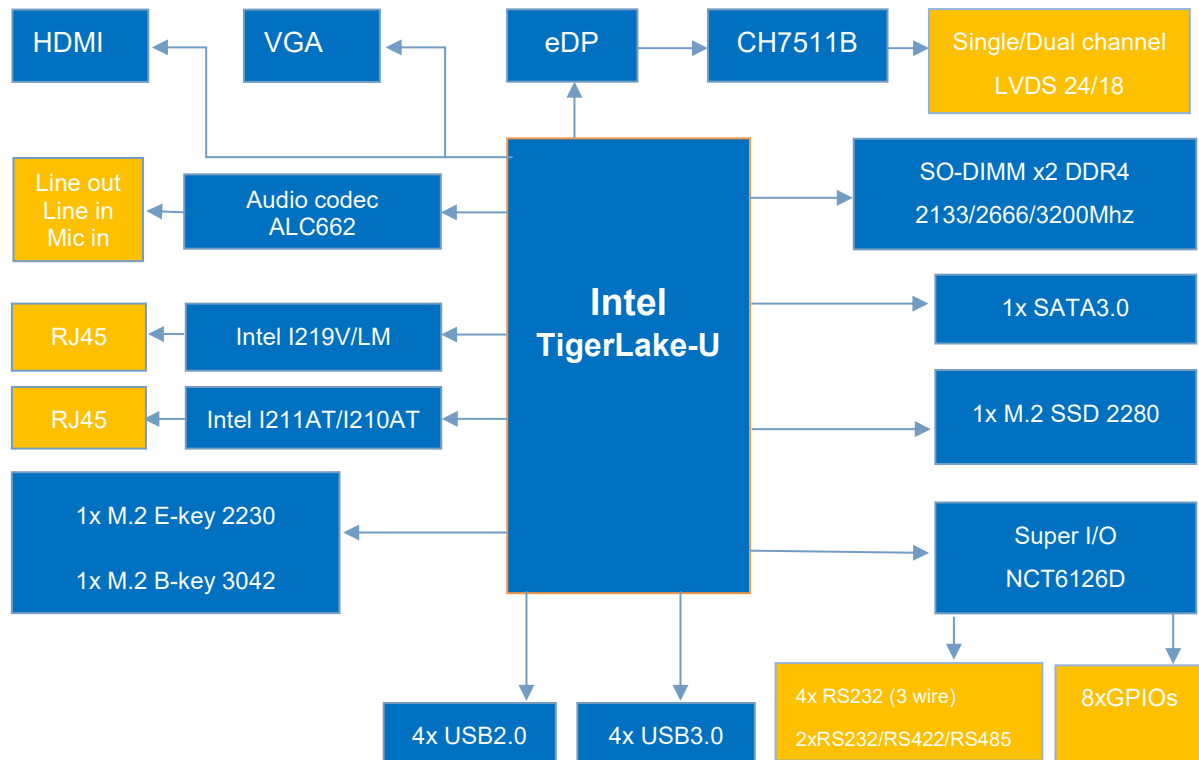
» Supports Intel 10/100/1000Mbit Ethernet, SATA, and NVMe SSDs

» 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-T351 Block Diagram



Technical Information	
plate type	3.5-inch motherboard
processor	Intel Core™ i3- 1115G4, 2C4T, up to 4.1 GHz Intel Core™ i3- 1125G4, 4C8T, up to 3.7 GHz Intel Core™ i5 - 1135G7, 4C8T, up to 4.2 GHz Intel Core™ i5 - 1145G7, 4C8T, up to 4.4 GHz Intel Core™ i7 - 1165G7, 4C8T, up to 4.7 GHz Intel Celeron 6305, 2C2T, 1.8 GHz Intel Celeron 6305E, 2C2T, 1.8 GHz
Memory	Two dual-channel SO-DIMM DDR4 memory modules, maximum 32GB, 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
Network card	Supports two Intel 10/100/1000Mbit ^{Ethernet} ports (Intel® I 21 9V/LM and I211AT/I210AT)
SATA	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) Supports one M.2 4G/5G port (B-Key 3042/3052 USB2.0 & PCIe x1)
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 (expandable, optional), and 1 TPM socket.
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 + 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