



QBIP-5005B

3.5" SubCompact Board with Intel® Pentium® Silver J5005 Processor, Single Channel DDR4 memory, 4 x COM, 1 x SATA 6Gb/s, 4 x USB3.0, 4 x USB2.0

Key Features

- 3.5" SBC
- Intel® Pentium® Silver J5005 Processor
- Single Channel DDR4 1 x SO-DIMM
- Realtek ALC269 with 2W amplifier
- 2 x GbE LAN ports
- 1 x SATA 6Gb/s port
- 4 x USB3.0
- 4 x USB2.0
- 2 x COM header (RS232/422/485)
- 2 x COM Port (RS232/422/485, RI/5V/12V)

Application

- Factory Automation
- Smart Retail
- Industrial PC
- KIOSK
- Healthcare
- Embedded & Industrial Applications
- Machine Vision & AI

SPECIFICATION

3.5" SubCompact Board with Intel® Pentium® Silver J5005 Processor, Single Channel DDR4 memory, 4 x COM, 1 x SATA 6Gb / s, 4 x USB3.0, 4 x USB2.0

FORM FACTOR	3.5" SBC 101.7 x 146mm
CPU	Intel® Pentium® Silver J5005 Processor 4M Cache, up to 2.80 GHz
SOCKET	1 x FCBGA1090
MEMORY	1 x DDR4 SO-DIMM socket, Max. Capacity 8 GB Support for DDR4 2400 MHz memory module
ETHERNET	2 x GbE LAN ports (Intel® i211AT)
VIDEO	Intel® UHD Graphics 605 1 x HDMI1.4 port, supporting a maximum resolution of 4096x2160@30Hz 1 x VGA
AUDIO	Realtek ALC269 with 2W amplifier
STORAGE	1 x SATA 6Gb/s 1 x EMMC (Optional)
EXPANSION SLOTS	1 x Mini PCIe slot: - Supports full card size, PCIe + USB2.0 vs Sim slot 1 x M.2 slot: - 2280 M Key – SATA 6Gb/s 1 x M.2 slot: - 2230 E Key (WiFi/BT)
INTERNAL I/O	4 x USB 2.0 1 x LVDS 1 x Backlight 1 x SATA 6 Gb/s 1 x SATA Power 1 x GPIO(8bits) & SMBUS header 1 x FAN header 2 x COM header (RS232/422/485) 1 x Front Panel header 1 x Speaker out header 1 x Front Audio header 1 x 3 pin terminal block (9~36V Full Range)-48V option 1 x AT/ATX mode select jumper 1 x Sim Slot. 1 x LPC header (TPM support) 1 x Vertical USB connector

REAR I/O	1 x HDMI 1 x VGA 2 x RJ45 2 x COM Port (RS232/422/485, RI/5V/12V) 4 x USB 3.0 1 x Power bottom 1 x Phone jack 1 x Remote control connector
TPM	Pin header support
OS COMPATIBILITY	Windows 10 (x64)
PSU CONNECTORS	DC input 9~36V Full Range 9~48 (Optional) 1 x 3 pin terminal block power connector
OPERATING PROPERTIES	Operating temperature: 0°C to +60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to +85°C Non-operating humidity: 0%-95% (non-condensing)
PACKING CONTENT	Box Packing Capacity: 20pcs Carton size: 379 x 245 x 197 (mm) Content: SATA Power cable x 1 (25CRI-200B02-K1R)
ORDER INFORMATION	MGMLKBS