



mITX-4205A

Mini-ITX Embedded Motherboard with Intel® J4205 Processor, Dual Channel DDR3L memory, PCIe, 6 x COM, 5 x SATA 6Gb/s, 8 x USB

Key Features

- Mini-ITX form factor
- Intel® Pentium® Processor J4205
- Dual Channel DDR3L, 2 x SO-DIMMs
- 2 x GbE LAN ports
- 5 x SATA 6Gb/s and 1 x mSATA
- Support 1 x SATA DOM
- HDMI 1.4b, D-Sub, eDP/ LVDS ports for multiple display
- Realtek ALC269 audio codec
- 1 x PCIe x1 (Gen2 x 1) expansion slot
- 2 x RS232/422/485/5V/12V/RI COM ports
- 4 x RS232 COM ports
- Marvell RAID controller: 88SE9230

Application

- Factory Automation
- Smart Retail
- Industrial PC
- KIOSK / POS
- Menu Board
- NAS

SPECIFICATION

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FORM FACTOR	Mini-ITX 170W x 170D(mm)
CPU	Intel® Pentium® Processor J4205 14nm, 4 cores, 4 threads 1.50 - 2.60 GHz 2MB L2 cache, fan-less design TDP 10W
SOCKET	FCBGA1296
MEMORY	2 x DDR3L SO-DIMM sockets supporting up to 8GB of system memory Dual channel memory architecture Support for DDR3L 1866 MHz memory modules
ETHERNET	2 x GbE LAN ports (Realtek® RTL8111HS)
VIDEO	Intel® HD Graphics 505 1 x HDMI port, supporting a maximum resolution of 3840x2160@30 Hz 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz 1 x eDP port, supporting a maximum resolution of 1920x1080 @60 Hz 1 x LVDS port, supporting a maximum resolution of 1920x1200@60 Hz * eDP port is alternative with LVDS port, only one can be worked at the same time
AUDIO	Realtek ALC269 High Definition Audio
STORAGE	5 x SATA 6Gbps - 4 x from Marvell 88SE9230 - 1 x from J4205 with SATA DOM supported
RAID	Marvell® SATA RAID 0/1/10
EXPANSION SLOTS	1 x PCIe x1 (Gen2 x 1) 1 x mSATA
INTERNAL I/O	1 x 4-pin ATX power connector 1 x PS/2 Keyboard/Mouse header 5 x SATA 6Gb/s connectors 5 x SATA power connectors 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 2 x USB 2.0/1.1 headers 2 x USB 3.0 headers