



mITX-4105A

Mini-ITX Embedded Motherboard with Intel® J4105 Processor, Dual Channel DDR4 memory, PCIe, 6 x COM , 5 x SATA 6Gb/s, 8 x USB

Key Features

- Mini-ITX form factor
- Intel® Celeron® Processor J4105
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN ports
- 5 x SATA 6Gb/s ports with one SATA DOM supported
- HDMI 2.0a, D-Sub, eDP (in option), LVDS ports for multiple display
- Realtek ALC269 audio codec
- 1 x PCIe x4 (Gen2 x 2) expansion slot
- 2 x RS232/422/485/5V/12V COM ports
- 4 x RS232 COM ports
- Marvell RAID controller: 88SE9230

Application

- Factory Automation
- Smart Retail
- Industrial PC
- KIOSK / POS
- Embedded & Industrial Applications
- NAS

SPECIFICATION

Mini-ITX Embedded Motherboard with Intel® J4105 Processor, Dual Channel DDR4 memory, PCIe, 6 x COM , 5 x SATA 6Gb/s, 8 x USB

FORM FACTOR	Mini-ITX 170W x 170D(mm)
CPU	Intel® Celeron® Processor J4105 14nm, 4 cores, 4 threads 1.50 - 2.50 GHz 4MB L2 cache, fan-less design TDP 10W
SOCKET	1 x BGA 1090
MEMORY	2 x DDR4 1.2V SO-DIMM sockets supporting up to 8GB of system memory Up to 2400Mhz Max. memory capacity: 8GB
ETHERNET	2 x GbE LAN ports (Realtek® RTL8111HS)
VIDEO	Intel® UHD Graphics 600 1 x HDMI port, supporting a maximum resolution of 3840x2160@60 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 connector 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 J4105 with SATA DOM supported
RAID	Marvell® SATA RAID 0/1/10
EXPANSION SLOTS	1 x PCIe x4 (Gen2 x 2 bus) slot 1 x M.2 slot: - M-key - SATA 6Gb/s - Supports NGFF-2280/2260/2242 cards 1 x M.2 slot: - E-key - Supports NGFF-2230 CNVi cards only
INTERNAL I/O	1 x 4-pin ATX main power connector 5 x SATA 6Gb/s connectors 3 x SATA power connectors 1 x CPU fan header 1 x System fan header