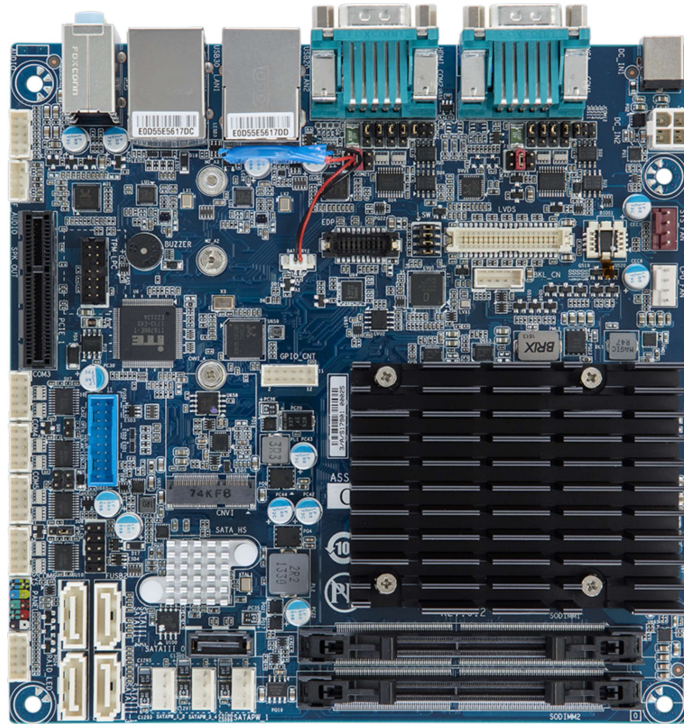


# GIGAIPC



## 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, VGA, eDP (in option), LVDS ports for multiple display
- 1 x PCIe x4 (Gen2 x 2) expansion slot
- 2 x RS232/422/485/5V/12V COM ports
- 4 x RS232 COM ports

### Application

## 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

<b>FORM FACTOR</b>	Mini-ITX 170W x 170D(mm)
<b>CPU</b>	Intel® Celeron® Processor J4105 14nm, 4 cores, 4 threads, up to 2.50 GHz TDP 10W, fan-less design
<b>SOCKET</b>	1 x FCBGA 1090
<b>MEMORY</b>	2 x DDR4 SO-DIMM sockets, Max. Capacity 8GB Support Dual channel DDR4 2400 MHz memory modules
<b>ETHERNET</b>	2 x GbE LAN ports (Realtek® RTL8111HS)
<b>VIDEO</b>	Integrated Graphics Processor - Intel® UHD Graphics 600: 1 x HDMI 2.0 port, supporting a maximum resolution of 3840x2160 @60Hz 1 x VGA port, supporting a maximum resolution of 1920x1200 @60Hz 1 x eDP port, supporting a maximum resolution of 1920X1080 @60Hz 1 x LVDS port, supporting a maximum resolution of 1920x1200 @60Hz * eDP connector is alternative with LVDS port, only one can be worked at the same time  (3 independent display outputs)
<b>AUDIO</b>	Realtek ALC269 High Definition Audio
<b>STORAGE</b>	5 x SATA 6Gb/s ports (4 x from Marvell 88SE9230, support RAID/0/1/10) (1 x from J4105 supports SATA DOM)
<b>EXPANSION SLOTS</b>	1 x PCIe x4 (Gen2 x2) 1 x 2280/2260/2242 M.2 M-Key (SATA 6Gb/s) 1 x 2230 M.2 E-Key (CNVi cards only)
<b>INTERNAL I/O</b>	1 x 4-pin ATX main power connector 3 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 headers 2 x USB 3.0 headers 4 x COM headers (RS-232) 1 x GPIO (8 bits) & SMBUS header 1 x Case open header

	<ul style="list-style-type: none"> <li>1 x AT/ATX mode jumper</li> <li>1 x Backlight Control header</li> <li>1 x RAID LED header</li> <li>2 x LAN LED headers</li> <li>1 x Clear CMOS jumper</li> <li>1 x Buzzer</li> </ul>
<b>REAR I/O</b>	<ul style="list-style-type: none"> <li>3 x Audio jacks (Line in, Line out, Mic in)</li> <li>2 x COM ports (RS-232/422/485 and RI/5V/12V)</li> <li>1 x HDMI</li> <li>1 x VGA</li> <li>2 x RJ45 LAN ports</li> <li>2 x USB 2.0</li> <li>2 x USB 3.0</li> <li>1 x DC Jack (+12VDC)</li> </ul>
<b>TPM</b>	<ul style="list-style-type: none"> <li>1 x TPM header</li> </ul>
<b>OS COMPATIBILITY</b>	Windows 10 (x64)
<b>OPERATING PROPERTIES</b>	<ul style="list-style-type: none"> <li>Operating temperature: 0°C to 60°C</li> <li>Operating humidity: 0-90% (non-condensing)</li> <li>Non-operating temperature: -20°C to 70°C</li> <li>Non-operating humidity: 0%-95% (non-condensing)</li> </ul>
<b>PACKING CONTENT</b>	<ul style="list-style-type: none"> <li>Capacity: 20pcs</li> <li>Carton size: 550 x 451 x 330(mm)</li> <li>Content: <ul style="list-style-type: none"> <li>1 x IO Shield (12AIO-MZGLK0-00R)</li> <li>2 x SATA power cables (25CRI-300B01-K1R)</li> </ul> </li> </ul>
<b>ORDER INFORMATION</b>	9MZGLKAINR-SI
<b>OPTIONAL KIT</b>	<ul style="list-style-type: none"> <li>TPM 1.2 module: 9CMUFLNR-00</li> <li>TPM 2.0 module: 9CTM000NR-00</li> </ul>