

# GIGAIPC



## QBiX-Pro-GLKA5005HD-A1

DIN Rail industrial system with Intel® Pentium® Silver J5005 Processor

### Key Features

- 160W x 118D x 62.6H (mm)
- Intel® Pentium® Silver J5005 Processor
- Single Channel DDR4 2400 MHz
- 4 x switchable COM ports(RS-232/422/485)
- GPIO Port (8 Bits)
- 2 x GbE LAN ports

### Application

- Industrial Automation
- Factory Automation
- HMI
- Embedded & Industrial Applications
- DVR / Surveillance

## SPECIFICATION

**QBiX-Pro-GLKA5005HD-A1** is mainly designed for factory automation application with Intel® Pentium® Silver J5005 and DIN rail mounting design. It is suitable for various environments with 9V~36V wide range power input and operating temperature of 0°C~50°C. The system provides IEC 60068-2-64 vibration resistance of 5 Grms with SSD @5~500Hz, random, to meet industrial standard.

It's available with rich features of both HDMI & VGA output, good expandability with mini PCIe, M.2 M-key and M.2 E-key slot, dual LANs, 4 x USB 3.0, GPIO and 4 x switchable COM (RS-232/422/485) port to work with different peripherals of devices.



**Production Line Management**



**Factory Automation**



**Warehouse Management**

<b>DIMENSION</b>	160W x 118D x 62.6H (mm)
<b>CPU</b>	Intel® Pentium® Silver J5005 Processor 14nm, 4 cores, 4 threads, up to 2.8 GHz, TDP 10W
<b>MEMORY</b>	1 x DDR4 SO-DIMM socket, Max. Capacity 8 GB, Support Single Channel DDR4 2400 MHz
<b>ETHERNET</b>	2 x GbE LAN ports (Intel® I211AT)
<b>GRAPHIC</b>	Integrated Graphics Processor - Intel® UHD Graphics 605: 1 x HDMI port, supporting a maximum resolution of 4096x2160 @ 60Hz 1 x D-SUB port: max. resolution 2560x1600 @ 60Hz
<b>AUDIO</b>	Realtek® ALC269 High Definition Audio
<b>STORAGE</b>	1 x 2.5" HDD/SSD (SATA 6Gb/s)
<b>EXPANSION SLOTS</b>	1 x 2280 M.2 M-Key (SATA 6Gb/s) 1 x 2230 M.2 E-Key 1 x Full-size miniPCIe with SIM slot
<b>REAR I/O</b>	2 x RJ45 LAN port 4 x USB 3.0 1 x HDMI 1 x VGA 2 x COM (RS-232/422/485 & RI/5V/12V)

	<ul style="list-style-type: none"> <li>1 x Power switch</li> <li>1 x Power/HDD LED</li> <li>1 x Remote control pin</li> <li>1 x Headphone Jack</li> <li>1 x External Antenna Hole (Optional)</li> </ul>
<b>SIDE I/O</b>	<ul style="list-style-type: none"> <li>1 x GPIO (8 bit)</li> <li>1 x 3-pin Terminal Block</li> <li>2 x COM (RS-232/422/485)</li> <li>2 x External Antenna Hole (Optional)</li> </ul>
<b>POWER</b>	<ul style="list-style-type: none"> <li>+9~36VDC Full Range</li> <li>+9~48VDC (Optional)</li> </ul>
<b>OPERATION TEMPERATURE</b>	<ul style="list-style-type: none"> <li>Operating temperature: 0°C to 50°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> <li>Use wide temperature range memory and storage</li> </ul>
<b>VIBRATION DURING OPERATION</b>	<ul style="list-style-type: none"> <li>Operation: IEC 60068-2-64, 5 Grms, random, 5 ~ 500 Hz, 1 hr / Per Axis, With SSD/M.2 2280</li> <li>Non-operation: IEC 60068-2-6, 2 G, Sine, 10 ~ 500 Hz, 1 Oct/min, 1 hr / Per Axis</li> </ul>
<b>SHOCK DURING OPERATION</b>	<ul style="list-style-type: none"> <li>Operation: IEC 60068-2-27, 50 G, half sine, 11 ms duration, With SSD</li> </ul>
<b>PACKAGING CONTENT</b>	<ul style="list-style-type: none"> <li>Box Packing Capacity: 6pcs</li> <li>Carton size: 416x409x333(mm)</li> <li>Content: TBD</li>   <li>TERMINAL BLOCKS MALE PLUG (25IO0-5ESDV0-D2R)</li> </ul>
<b>MOUNTING</b>	<ul style="list-style-type: none"> <li>DIN Rail</li> <li>Wall mount (Optional)</li> </ul>