



## 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. DIN rail design helps users to deploy the device vertically or horizontally based on the layout of their operational environment. The two sides of aluminum extrusion enhance heat dissipation to avoid any damages from overheat. It is suitable for various environments with 9V~36V wide range power input and operating temperature of 0°C~50°C.

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.

The system provides IEC 60068-2-64 vibration resistance of 5 Grms with SSD @5~500Hz, random, to meet industrial standard.



<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>	<p>1 x M.2 slot (Support NGFF-2230 Wifi/BT)</p> <p>1 x M.2 slot (Supports NGFF-2280 SATA)</p> <p>1 x Mini-PCIe slot (PCIeX1 + USB2.0) with Sim Slot</p>
<b>FRONT I/O</b>	<p>2 x RJ45 LAN port</p> <p>4 x USB 3.0</p> <p>1 x HDMI</p> <p>1 x VGA</p> <p>2 x COM (RS-232/422/485 &amp; RI/5V/12V)</p> <p>1 x Power switch</p> <p>1 x Power/HDD LED</p> <p>1 x Remote control pin</p> <p>1 x Headphone Jack</p> <p>1 x External Antenna Hole (Optional)</p>
<b>SIDE I/O</b>	<p>1 x GPIO (8 bit)</p> <p>1 x 3-pin Terminal Block</p> <p>2 x COM (RS-232/422/485)</p> <p>2 x External Antenna Hole (Optional)</p>
<b>POWER</b>	<p>+9~36VDC Full Range</p> <p>+9~48VDC (Optional)</p>
<b>OPERATION TEMPERATURE</b>	<p>Operating temperature: 0°C to 50°C</p> <p>Operating humidity: 0-90% (non-condensing)</p> <p>Non-operating temperature: -20°C to 70°C</p> <p>Non-operating humidity: 0%-95% (non-condensing)</p> <p>Use wide temperature range memory and storage</p>
<b>VIBRATION DURING OPERATION</b>	<p>Operation: IEC 60068-2-64, 5 Grms, random, 5 ~ 500 Hz, 1 hr / Per Axis, With SSD/M.2 2280</p> <p>Non-operation: IEC 60068-2-6, 2 G, Sine, 10 ~ 500 Hz, 1 Oct/min, 1 hr / Per Axis</p>
<b>SHOCK DURING OPERATION</b>	<p>Operation: IEC 60068-2-27, 50 G, half sine, 11 ms duration, With SSD</p>
<b>PACKAGING CONTENT</b>	<p>Box Packing Capacity: 6pcs</p> <p>Carton size: 416x409x347(mm)</p> <p>Content:</p> <p>SCREW HDD M3x3L*4(25984G-1C014-S00 )</p> <p>TERMINAL BLOCKS MALE PLUG (25I00-5ESDV0-D2R )</p> <p>TERMINAL BLOCKS 1*2P (25I00-EC3500-D2R)</p> <p>TERMINAL BLOCKS 1*10P (25I00-EC3810-D2R)</p>
<b>MOUNTING</b>	<p>DIN Rail</p> <p>Wall mount (Optional)</p>
<b>ORDER INFORMATION</b>	<p>6BQP5005AMR-SI</p>