



## QBiX-Pro-KBLB3965H-A1

Industrial system with Intel® Celeron 3965U Processor/ DDR4 2133MHz up to 32G / M.2 slots / 2.5" HDD/SSD (SATA 6Gb/s)

### Key Features

- System Size : 178W x 125D x 52.7H (mm)
- Intel® Celeron 3965U Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- HDMI, Display port for Dual display
- 2 x GbE LAN ports

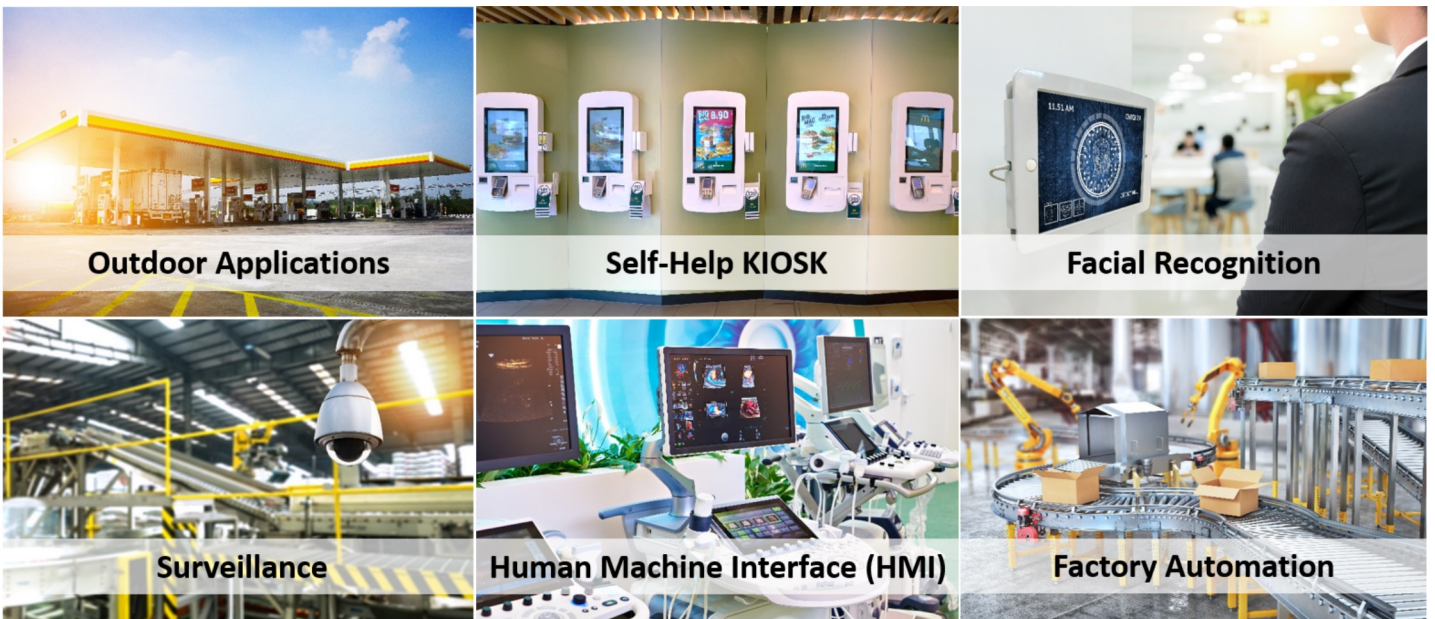
### Application

- Embedded & Industrial Applications
- Factory Automation
- KIOSK / POS
- Healthcare

## SPECIFICATION

**QBiX Pro Series of GIGAIPC embedded system** is implemented with [GIGAIPC QBi Pro \(3.5" SubCompact Board\)](#). Its fan-less design reduces the risk of fan failure and maintenance efforts. The aluminium heatsink and ruggedized chassis enhanced the ability to work in harsh environment. The Compact size can easily be designed in any applications in limited space, such as factory automation, industrial controller / Surveillance systems and IoT Gateway. Furthermore, it can be a computing solution dedicated to thin client, POS, KIOSK for commercial market.

**QBiX-Pro-KBLB3965H-A1** is powered by Intel® Celeron® 3965 processor, to support DDR4 2133MHz up to 32G. It is designed with full range 9-36V DC power inputs for operating temperature of 0°C~50°C and rich I/O interfaces and expansion M.2 slots to fit in various applications. The system supports 2.5" HDD/SSD (SATA 6Gb/s) with vibration resistance of 5 Grms/5~500Hz and shock endurance to 50G/11ms, to meet industrial standard.



<b>DIMENSION</b>	178W x 125D x 52.7H(mm)
<b>CPU</b>	Intel® Celeron® Processor 3965U 14nm, 2 cores, 2 threads, up to 2.2 GHz TDP 15W 2 MB SmartCache
<b>CHIPSET</b>	SOC
<b>MEMORY</b>	2 x DDR4 SO-DIMM sockets, Max. Capacity 32 GB Support Dual Channel DDR4 2133MHz memory modules
<b>ETHERNET</b>	2 x GbE LAN ports (Intel® i219V and Intel® i211AT)

<b>GRAPHIC SUPPORT</b>	<p>Integrated Graphics Processor - Intel® HD Graphics 610:  1 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160 @24Hz  1 x DP port, supporting a maximum resolution of 4096x2160 @60Hz</p> <p>(2 independent display outputs)</p>
<b>AUDIO</b>	<p>Realtek ALC269  High Definition Audio</p>
<b>STORAGE</b>	<p>1 x 2.5" HDD/SSD (SATA 6Gb/s)</p>
<b>EXPANSION SLOTS</b>	<p>1 x 2280 M.2 M-Key (SATA 6Gb/s)  1 x 2230 M.2 E-Key (WiFi/BT)  1 x Full-size Mini PCIe with SIM slot (PCIe x1 + USB2.0) -- support 3G/4G module</p>
<b>FRONT I/O</b>	<p>2 x RJ45 LAN ports  4 x USB 3.0  1 x HDMI  1 x Display Port  1 x Power switch  1 x Power &amp; HDD LED  1 x COM port (RS-422/485/232 and RI/5V/12V)</p>
<b>REAR I/O</b>	<p>2 x USB 2.0  3 x COM Ports (RS-232)  1 x 3 pin Terminal Block</p>
<b>SIDE I/O</b>	<p>2 x External Antenna Hole (Optional)</p>
<b>POWER</b>	<p>+9~36VDC Full Range</p>
<b>OPERATION TEMPERATURE</b>	<p>Operating temperature: 0°C to 50°C  Operating humidity: 0-90% (non-condensing)  Non-operating temperature: -20°C to 70°C  Non-operating humidity: 0%-95% (non-condensing)  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  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: 5pcs  Carton size: 505x231x333(mm)  Content:  SCREW I HEAD FOR 25HDD M3x8L*4 (P/N: 25KSG-130081-K1R)  THERMAL PAD x 2 (P/N: 25ST3-200052-T5R)  THERMAL PAD x 1 (P/N: 25ST3-200053-T5R)  THERMAL PAD X 1 (P/N: 25ST3-200051-T5R)  CABLE SATA x 1 (P/N: 25CF4-170020-S9R)  TERMINAL BLOCKS MALE PLUG (P/N: 25IO0-5ESDV0-D2R)</p>
<b>MOUNTING</b>	<p>Wall mount (Optional)</p>

