



## QBiX-Pro-APLB4200H-B1

Industrial system with Intel® Pentium® N4200 Processor / 1 x GPIO (8 bits)

### Key Features

- System Size : 178W x 125D x 52.7H(mm)
- Intel® Pentium® N4200 Processor
- Dual Channel DDR3L, 2 x SO-DIMMs
- HDMI, D-sub for Dual display
- 2 x GbE LAN ports

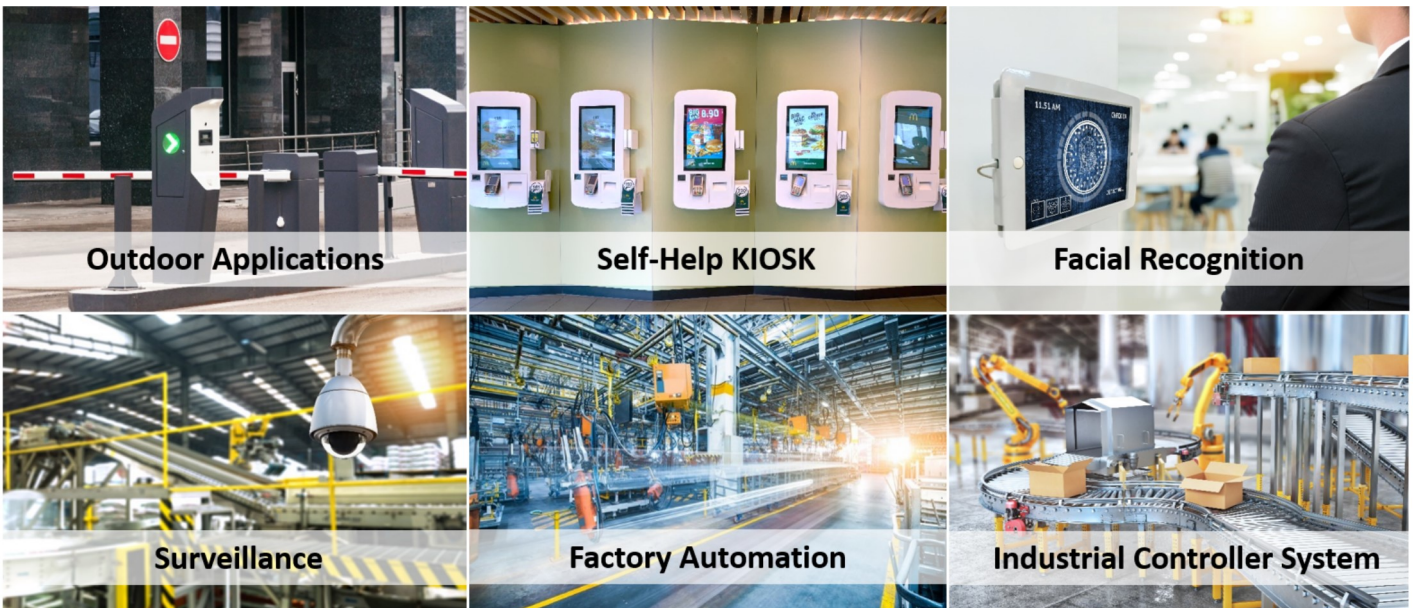
### Application

- Embedded & Industrial Applications
- IoT System
- 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-APLB4200H-B1** is powered by Intel® Pentium® N4200 processor, to provide "low power but high performance" for energy-saving requests. It is designed with full range 9-36V DC power inputs for operating temperature of 0°C~50°C and rich I/O interfaces, such as 2 x COM ports, 1 x GPIO (8 bits) and more as well as 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® Pentium® Processor N4200 14nm, 4 cores, 4 threads, up to 2.5 GHz TDP 6W 2MB L2 cache
<b>CHIPSET</b>	SOC
<b>MEMORY</b>	2 x DDR3L SO-DIMM sockets, Max. Capacity 8GB Support Dual channel DDR3L 1866 MHz memory module

<b>ETHERNET</b>	2 x GbE LAN ports (Intel® i211AT)
<b>GRAPHIC SUPPORT</b>	Integrated Graphics Processor - Intel® HD Graphics 505: 1 x HDMI 1.4 port, supporting a maximum resolution of 3840x2160 @ 30Hz 1 x VGA port, supporting a maximum resolution of 2560x1600 @60Hz (with compatible displays)  (2 independent display outputs)
<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 Full-size Mini PCIe with SIM slot (PCIe x1 + USB2.0) -- support 3G/4G module
<b>FRONT I/O</b>	2 x RJ45 LAN ports 2 x USB 3.0 1 x HDMI 1 x VGA 1 x Power switch 1 x Power & HDD LED 1 x Headphone jack
<b>REAR I/O</b>	2 x USB 2.0 1 x COM port (RS-422/485/232 and RI/5V/12V) 2 x COM ports (RS-232) 1 x GPIO (8 bits) 1 x 3 pin Terminal Block
<b>SIDE I/O</b>	2 x External Antenna (Optional)
<b>POWER</b>	+9~36VDC (Full Range)
<b>OPERATION TEMPERATURE</b>	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
<b>VIBRATION DURING OPERATION</b>	Operation: IEC 60068-2-64, 5 Grms, random, 5 ~ 500 Hz, 1 hr / Per Axis, With SSD/M.2 2242 Non-operation: IEC 60068-2-6, 2 G, Sine, 10 ~ 500 Hz, 1 Oct/min, 1 hr / Per Axis
<b>PACKAGING CONTENT</b>	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) CABLE SATA x 1 (P/N: 25CF4-070020-S9R) TERMINAL BLOCKS MALE PLUG (P/N: 25IO0-5ESDV0-D2R)
<b>MOUNTING</b>	Wall mount (Optional)
<b>ORDER INFORMATION</b>	6BQP4200BMR-SI