GIGAIPC

QBiX-Pro-WHLA8565H-A2

Industrial system with Intel® Core™ i7-8565U Processor/ Fanless Design / Dual Channel DDR4 up to 32GB/ 2 x HDMI

Key Features

- System Size : 178W x 125D x 52.7H (mm)
- Intel® Core™ i7-8565U Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x HDMI,for Dual display
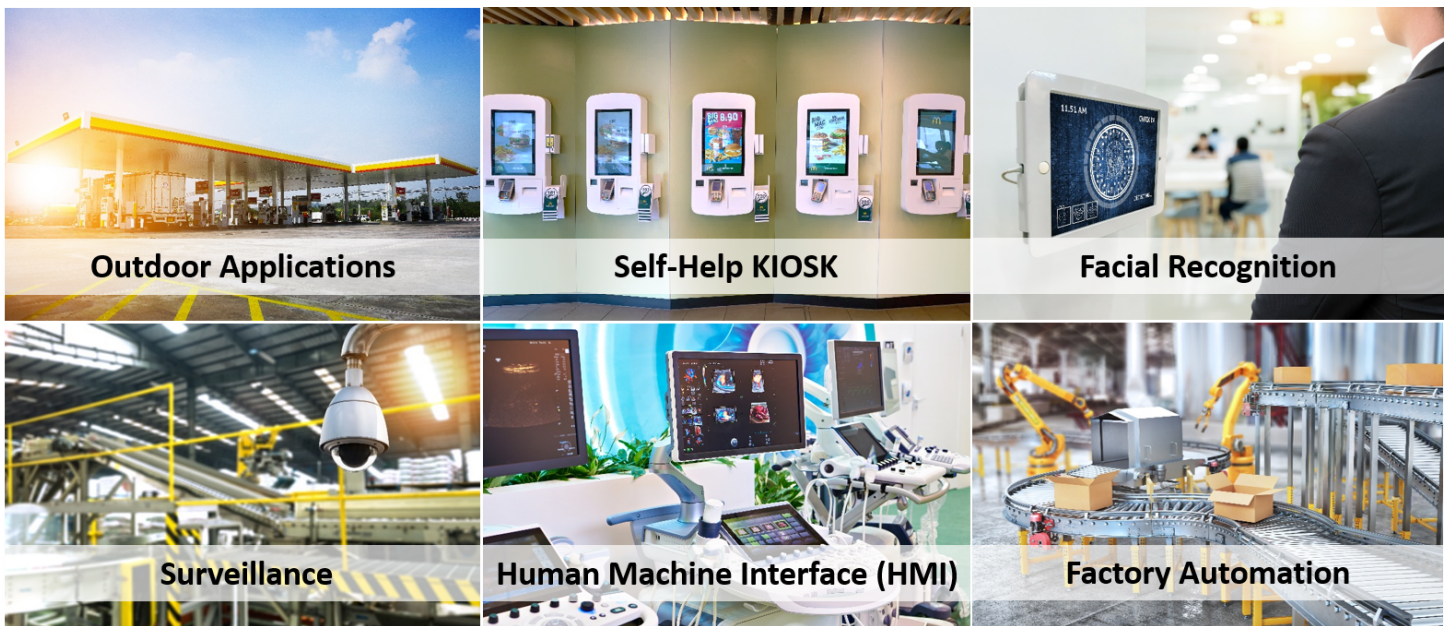- 2 x GbE LAN port

Application

- Embedded & Industrial Applications
- Factory Automation
- IoT System
- KIOSK/POS
- Healthcare
- Gaming

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 maintainance 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-WHLA8565H-A2 is powered by Intel® Core™i7-8565U Whiskey Lake Processor , to support Dual Channel DDR4 2400MHz up to 32G. It is designed with full range 9-36V DC power inputs for operating temperature of 0°C ~50°C. 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.
It's available with rich features of both HDMI & DP outputs, 3 x COM ports, 4 x USB 3.1 Gen2 and 2 x USB 2.0 ports to work with different peripherals of devices as line out headphone jack and M.2 2280 M-Key / 2230 E-Key for expansion.

Outdoor Applications

Self-Help KIOSK

Facial Recognition

Surveillance

Human Machine Interface (HMI)

Factory Automation

DIMENSION	178W x 125D x 52.7H(mm)
CPU	Intel® Core™ i7-8565U Processor 14nm, 4 cores, 8 threads, up to 4.6 GHz TDP 15W
CHIPSET	SOC
MEMORY	2 x DDR4 SO-DIMM sockets, Max. Capacity 32 GB Support Dual Channel DDR4 2400 MHz memory modules

ETHERNET	2 x GbE LAN ports (Intel® i219V and Intel® i211AT)
GRAPHIC SUPPORT	Integrated Graphics Processor - Intel® UHD Graphics 620: 2 x HDMI 1.4 ports, supporting a maximum resolution of 4096x2160 @30Hz (2 independent display outputs)
AUDIO	Realtek ALC269 High Definition Audio
STORAGE	1 x 2.5" HDD/SSD (SATA 6Gb/s)
EXPANSION SLOTS	1 x 2280 M.2 M-Key (PCIe x4, 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
FRONT I/O	2 x RJ45 LAN ports 4 x USB 3.1 Gen2 2 x HDMI 1 x Power button with LED 1 x HDD LED 1 x COM port (RS-232/422/485 and RI/5V/12V)
REAR I/O	2 x USB 2.0 2 x COM ports (RS-232) 1 x GPIO (8 bits) 1 x Headphone Jack 1 x Screw Type DC Jack
SIDE I/O	2 x External Antenna Hole (Optional)
POWER	+9~36VDC (Full Range) (Adapter 19V/90W)
OPERATION TEMPERATURE	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
VIBRATION DURING OPERATION	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
SHOCK DURING OPERATION	Operation: IEC 60068-2-27, 50 G, half sine, 11 ms duration, With SSD
PACKAGING CONTENT	Box Packing Capacity: 5pcs Carton size: 500x327x217(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: 25ST3-200051-T5R) POWER CORD 3Cx18AWG SVT US x 1 (P/N: 25CP0-007001-Q0R) PSU ADP 19V 90W 100-240VAC x 1 (P/N: 25EP4-10090A-F3S)
ORDER INFORMATION	6BQP8565AMR-SI (Box Packing)