GIGAIPC

QBiX-Pro-WHLA8265H-A1

Industrial system with Intel® Core™ i5-8265U 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™ i5-8265U Processor
- Dual Channel DDR4, 2 x SO-DIMMs
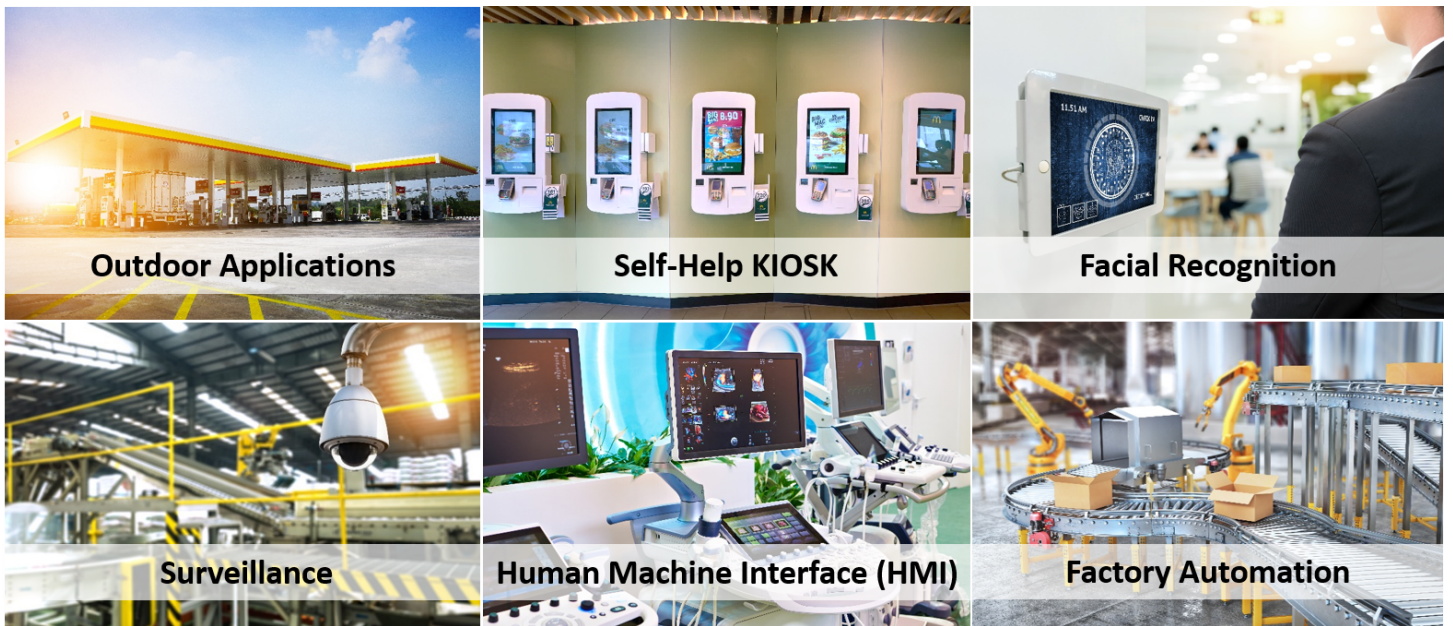- 2 x HDMI for Dual display
- 2 x GbE LAN ports

Application

- Embedded & Industrial Applications
- Factory Automation
- IoT System
- 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 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-WHLA8265H-A1 is powered by Intel® Core™i5-8265U 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 3 x COM ports, 1 x GPIO (8 bits), 4 x USB 3.1 Gen2 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.

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™ i5-8265U Processor 14nm, 4 cores, 8 threads, up to 3.9 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 3-pin Terminal block
SIDE I/O	2 x External Antenna Hole (Optional)
POWER	+9~36VDC (Full Range)
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: 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: 25ST3-200051-T5R) CABLE SATA x 1 (P/N: 25CF4-170020-S9R) TERMINAL BLOCKS MALE PLUG (P/N: 25IO0-5ESDV0-D2R)
MOUNTING	Wall mount (Optional)

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