



QBiX-Pro-WHLA8145H-A2

Industrial system with Intel® Core™ i3-8145UE 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™ i3-8145UE Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x HDMI for Dual display
- 2 x GbE LAN ports

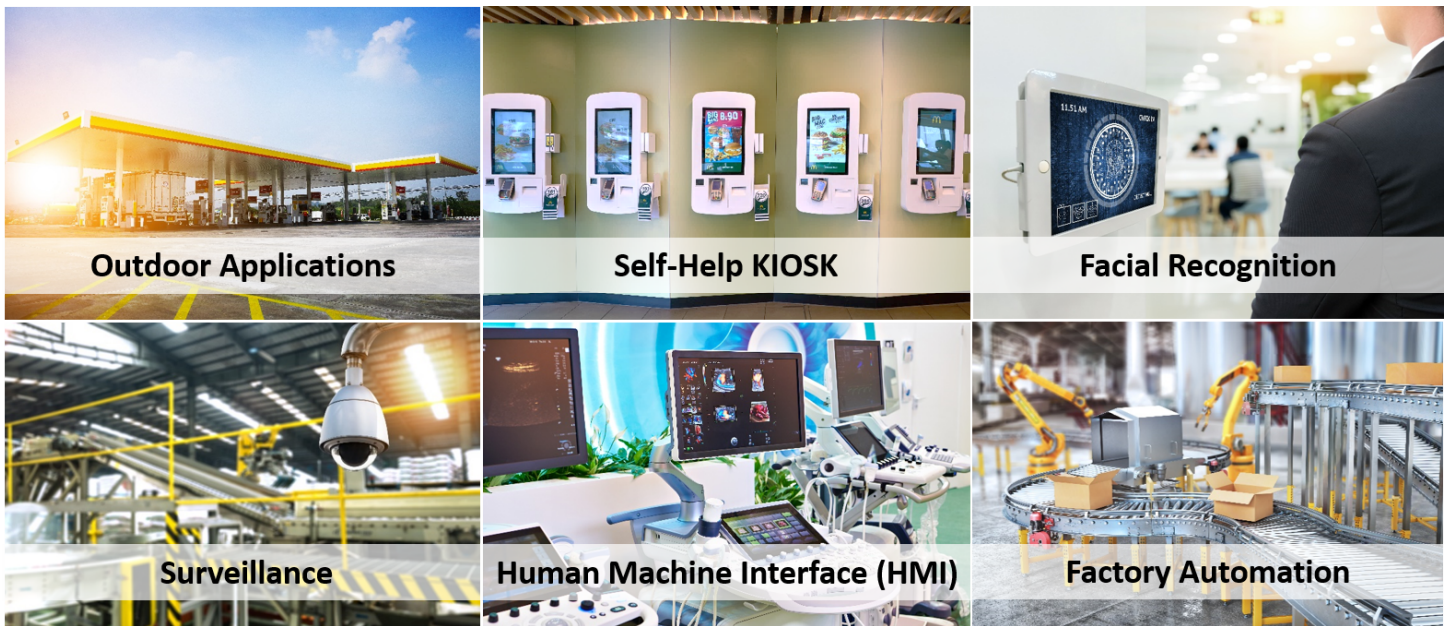
Application

- 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 aluminum heatsink and ruggedized chassis enhanced the ability to work in a 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 the commercial market.

QBiX-Pro-WHLA8145H-A2 is powered by Intel® Core™ i3-8145UE Whiskey Lake Processor, to provide high computing performance for industrial requests. It is designed with full range 9-36V DC power inputs for the 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.



DIMENSION	178W x 125D x 52.7H(mm)
CPU	Intel® Core™ i3-8145UE Processor 14nm, 2 cores, 4 threads, up to 3.9 GHz TDP 15W 4 MB SmartCache
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:-40°C to 85°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)
MOUNTING	Wall mount (Optional)

ORDER INFORMATION

6BQP8145AMR-SI