



QBiX-WHLA8265H-A1

Industrial system with Intel® Core™ i5-8265U Processor/ Lockable DC Connector/ 2xHDMI / 2xLAN Ports

Key Features

- System Size : 138W x 118D x 74.2H (mm)
- Intel® Core™ i5-8265U Processor
- 1 x RS232/422/485 COM Port
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x HDMI for Dual display
- 2 x GbE LAN port

Application

- Factory Automation
- Smart Retail
- Industrial PC
- KIOSK/POS
- Embedded & Industrial Applications
- IoT system

SPECIFICATION

QBiX Series of GIGAIPC embedded system is implemented with [GIGAIPC QBi \(10x10 Motherboards\)](#). It's designed as palm-sized, fan-less and ruggedized computing solution dedicated to thin client, POS, KIOSK, smart factory automation, industrial controller system and space-limited applications, with VESA mount 75x75 and 100x100 for options .

QBiX-WHLA8265H-A1 is powered by Intel® Core™ i5-8265U Whiskey Lake Processor Processor to provide high performance and stability. It is designed with full range +9V-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 HDMI, 4 x USB 3.1 Gen 2, 1 x RS-232 COM port to work with different peripherals of devices and M.2 2230/2280 slots for expansion.



DIMENSION	138W x 118D x 74.2H (mm)
CPU	Intel® Core™ i5-8265U Processor 14nm, 4 cores, 8 threads 1.6GHz, up to 3.9 GHz TDP 15W
CHIPSET	SOC
MEMORY	2 x DDR4 SO-DIMM socket, Max. Capacity 32 GB Dual channel memory architecture Support for DDR4 2400 MHz memory modules
ETHERNET	1 x GbE LAN port (Intel® i219V) 1 x GbE LAN port (Realtek RTL8111HS)
GRAPHIC SUPPORT	Integrated Graphics Processor - Intel® UHD Graphics 620 1 x HDMI 1.4 port, supporting a maximum resolution of 4096x2160@30Hz 1 x eDP port, supporting a maximum resolution of 4096x2160@60Hz (2 independent display outputs)
AUDIO	Realtek ALC269 High Definition Audio

STORAGE	1 x SATA 6 Gb/s port (Support 2.5" HDD/SSD)
EXPANSION SLOTS	1 x M.2 slot / M-Key / Supports NGFF-2280 SATA/PCIeX4 1 x M.2 slot / E-Key / Support NGFF-2230 Wifi/BT 1 x Vertical USB 3.0
FRONT I/O	2 x USB3.1 Gen2 1 x Power switch 2 x WiFi/BT Antenna (optional) 1 x HDD & Power LED 1 x COM port (RS-232/422/845)
REAR I/O	2 x RJ45 LAN port 2 x USB 3.1 Gen2 2 x HDMI 1 x Screw type DC Jack
POWER	DC 9~36V 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 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: 6pcs Carton size: 411x403x282(mm) Content: POWER CORD 3Cx18AWG SVT US x 1 (25CP0-007001-Q0R) PSU ADP 19V 90W 100-240VAC x 1 Wall Mount Bracket (25HB2-CGAA20-CHR) SCREW I HEAD FOR 25HDD M3x8L*4 (25KSG-130081-K1R) THERMAL PAD HDD x 2 (25ST3-200052-T5R) THERMAL PAD DRAM2 (25ST3-200051-T5R) CABLE SATA Power x 1 (25CRI-075630-S9R) Cable SATA x 1 (25CF4-075500-S9R)
ORDER INFORMATION	6BQB8265AMR-SI (Box packing)