



QBIX-WHLA8565H-A1

Industrial system with Intel® Core™ i7-8565U Processor / Lockable DC Connector/ 2 x HDMI / 2 x LAN Ports

Key Features

- System Size : 138W x 118D x 74.2H (mm)
- Intel® Core™ i7-8565U Processor
- 1 x COM Port (RS-232/422/485)
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x HDMI for Dual display
- 2 x GbE LAN Ports

Application

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

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-WHLA8565H-A1 is powered by Intel® Core™ i7-8565U Whiskey Lake 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 3.2 Gen 2x1, 1 x switchable COM Port to work with different peripherals of devices and M.2 2230/2280 slots for expansion.



Specification

Dimension	138W x 118D x 74.2H(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 socket, Max. Capacity 32 GB Support Dual Channel 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: 2 x HDMI 1.4 ports, supporting a maximum resolution of 4096x2160 @30Hz (2 independent display outputs)
Audio	Realtek® Audio Codec

Storage	1 x 2.5" HDD/SSD (SATA 6 Gb/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 Vertical USB 3.2 Gen 1
Front I/O	2 x USB 3.2 Gen 2x1 1 x Power button with LED 2 x External Antenna Holes (Optional) 1 x HDD LED 1 x COM Port (RS-232/422/845) 1 x Headphone Jack
Rear I/O	2 x HDMI 2 x RJ45 LAN Ports 2 x USB 3.2 Gen 2x1 1 x Screw type DC Jack
Power	+9V~36VDC (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	Carton size: 416 x 409 x 296 (mm) Packing Capacity: 6pcs Single Box size: 258 x 191 x 130 (mm) Including: 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) Wall Mount Bracket (P/N: 25HB2-CGAA20-CHR) Screw I Head for 2.5" HDD M3x8L x 4 (P/N: 25KSG-130081-K1R) Thermal Pad HDD x 2 (P/N: 25ST3-200052-T5R) Thermal Pad DRAM2 x 1 (P/N: 25ST3-200051-T5R) SATA power Cable x 1 (P/N: 25CRI-075630-S9R) SATA Cable x 1 (P/N: 25CF4-075500-S9R)
Order Information	6BQB8565AMR-SI (Box packing)
Optional Kit	TPM 2.0 module P/N: 9CTM000NR-00 TPM Cable P/N: 25CRZ-100600-S9R