GIGAIPC

QBiX-KBLA7100H-A1

Industrial system with Intel® Core™ i3-7100U Processor/ HDMI 2.0 & mini DP output for 4K resolution/ USB 3.0 port/ COM port/ M.2 2230/2280 slots

Key Features

- System Size : 138W x 118D x 75.2H (mm)
- Intel® Core™ i3-7100U Processor
- 1 x RS232 COM Port
- Dual Channel DDR4, 2 x SO-DIMMs
- HDMI, Mini Display port for Dual display
- 1 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 mout 75x75 and 100x100 for options.

QBiX-KBLA7100H-A1 is powered by Intel® Core™ i3-7100U Processor to provide high performance and stability. It is designed with full range +12-24V 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 2.0 & mini DP output for 4K resolution, 4 x USB 3.0 port, 1 x RS-232 COM port to work with different peripherals of devices and M.2 2230/2280 slots for expansion.

DIMENSION	System Size : 138W x 118D x 74.2H (mm)
CPU	Intel® Core™ i3-7100U Processor 14nm, 2 cores, 4 threads 2.40 GHz TDP 15W 3 MB SmartCache
CHIPSET	SOC
MEMORY	2 x DDR4 SO-DIMM socket, Max. Capacity 32 GB Dual channel memory architecture Support for DDR4 2133 MHz memory modules
ETHERNET	1 x GbE LAN port (Intel® i219V)
GRAPHIC SUPPORT	Integrated Graphics Processor - Intel® HD Graphics 620 support 1 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160@60Hz 1 x mini DP port, supporting a maximum resolution of 4096x2160@60Hz
AUDIO	Intel integrated Audio
STORAGE	1 x SATA 6 Gb/s port (Support 2.5" HDD/SSD)

EXPANSION SLOTS	1 x M.2 slot(Support NGFF-2230 Wifi/BT) 1 x M.2 slot(Supports NGFF-2280 SATA/PCIeX4)
FRONT I/O	2 x USB3.0 1 x Power switch 2 x WiFi/BT Antenna (option) 1 x HDD & Power LED
REAR I/O	1 x RJ45 LAN port 2 x USB 3.0 1 x HDMI 1 x Mini Display port 1 x COM port (RS-232) 1 x Screw type DC Jack
POWER	DC 12~24V Full Range (Adapter 19V/65W)
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 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
PACKING CONTENT	Box Packing Capacity: 6pcs Carton size: 411x403x282(mm) Content: POWER CORD 3Cx18AWG SVT US x 1 (25CP0-007001-Q0R) PSU ADP 19V 65W 100-240VAC x 1 (25EP2-10065M-F3S) VESA_RS_BKT_KP x 1 (25HB1-TPL021-S8R) VESA-SCREW-ASM x 1 (25KSD-000001-S4R) SCREW I HEAD FOR 25HDD M3x8L*4 (25KSG-130081-K1R) THERMAL PAD HDD x 1 (25ST3-200052-T5R) THERMAL PAD DRAM2 x 1 (25ST3-200051-T5R) CABLE SATA+Power x 1 (25CRA-010000-S9R)
ORDER INFORMATION	6BCKAAMR-SI-100