QBiX-GLKA5005H-A1

Industrial system with Intel® Pentium® Silver J5005 Processor / HDMI & VGA output / USB 3.0 port /RS-232 COM port

Key Features

- System Size: 118W x 109.4D x 54.4H (mm)
- Intel® Pentium® Silver J5005 Processor
- 1 x RS232 COM Port
- Single Channel DDR4, 1 x SO-DIMM
- HDMI, VGA
- 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-GLKA5005H-A1 is powered by Intel® Pentium® J5005 Processor to provide "low power but high performance" feature. It is designed with full range +12-19V 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 & VGA output, 4 x USB 3.0 port, 1 x RS-232 COM port to work with different peripherals of devices and M.2 2230 E-Key for expansion.

KIOSK　　　POS　　　Automatic Guided Vehicle (AGV)

DIMENSION	System Size : 118W x 109.4D x 54.4H (mm)
CPU	Intel® Pentium® Silver J5005 Processor 4 cores, 4 threads, up to 2.80 GHz TDP 10W 4MB Cache
CHIPSET	SOC
MEMORY	1 x DDR4 SO-DIMM socket, Max. Capacity 8 GB Single channel memory architecture Support for DDR4 2400 MHz memory modules
ETHERNET	1 x GbE LAN port (Realtek® RTL8111HS)
GRAPHIC SUPPORT	Integrated Graphics Processor - Intel® UHD Graphics 605 1 x HDMI 1.4b port, supporting a maximum resolution of 4096x2160@30Hz

	1 x D-SUB port: max. resolution 2560 x 1600 at 60Hz (with compatible displays)
AUDIO	Realtek ALC891 High Definition 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)
FRONT I/O	2 x USB3.0 1 x COM Port (RS-232) 1 x Headphone Jack 1 x Microphone Jack 1 x Power button
REAR I/O	1 x RJ45 LAN port 2 x USB 3.0 1 x HDMI 1 x VGA port 2 x WiFi/BT Antenna (option)
SIDE I/O	1 x DC-Jack
POWER	DC 12~19V 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 x 4 (25KSG-130081-K1R) THERMAL PAD HDD x 2 (25ST3-200047-T5R) CABLE FFC SATA x 1 (25CFE-100004-J3R)
ORDER INFORMATION	6BCGAAMR-SI