



QBiX2-GLKA5005H-A1

Industrial system with Intel® Pentium® Silver J5005 Processor/ 2.5" HDD/SSD (SATA 6Gb/s)/ HDMI & VGA outputs/ 4 x USB 3.0 / 4 x USB 2.0 ports/ 5 x RS-232 COM ports /M.2 2230 E-Key for expansion

Key Features

- System Size : 118W x 109.4D x 74.4H (mm)
- Intel® Pentium® Silver J5005 Processor
- 5 x RS232 COM Ports
- Single Channel DDR4, 1 x SO-DIMM
- HDMI, VGA for dual display
- 1 x GbE LAN port
- 1 x Cash Draw RJ11 Port

Application

- Embedded & Industrial Applications
- Factory Automation
- KIOSK / POS
- DVR / Surveillance

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.

QBiX2-GLKA5005H-A1 is powered by Intel® Pentium® J5005 Processor to provide "low power but high performance" feature. It is designed with +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 outputs, 4 x USB 3.0 / 4 x USB 2.0 ports, 5 x RS-232 COM ports to work with different peripherals of devices and M.2 2230 E-Key for expansion.



DIMENSION	118W x 109.4D x 74.4H(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 Support Single Channel 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 VGA port: max. resolution 2560 x 1600 at 60Hz (with compatible displays) (2 independent display outputs)
AUDIO	Realtek ALC891 High Definition Audio

STORAGE	1 x 2.5" HDD/SSD (SATA 6 Gb/s)
EXPANSION SLOTS	1 x 2230 M.2 E-Key (WiFi/BT)
FRONT I/O	2 x USB 3.0 2 x USB 2.0 3 x COM Port (RS-232) 1 x Headphone Jack 1 x Microphone Jack 1 x Power button with LED
REAR I/O	1 x RJ45 LAN port 2 x USB 3.0 1 x HDMI 1 x VGA 2 x External Antenna (optional) 2 x COM (RS-232) 1 x Screw type DC Jack
SIDE I/O	2 x USB 2.0 1 x RJ11 Cash Draw
POWER	+19VDC (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
PACKAGING CONTENT	Box Packing Capacity: 6pcs Carton size: 411x403x282(mm) Content: POWER CORD 3Cx18AWG SVT US x 1 (P/N: 25CP0-007001-Q0R) PSU ADP 19V 65W 100-240VAC x 1 (P/N: 25EP2-10065M-F3S) VESA_RS_BKT_KP x 1 (P/N: 25HB1-TPL021-S8R) VESA-SCREW-ASM x 1 (P/N: 25KSD-000001-S4R)
ORDER INFORMATION	6BQ25005AMR-SI