GIGABYTE GB-BLCE-4105 PC/workstation barebone UCFF Black J4105 BGA 1090 1.5 GHz

Brand : GIGABYTE

Product code: GB-BLCE-4105

Product name : GB-BLCE-4105

- Features Intel® Celeron® Processor J4105
- Ultra compact PC design at only 0.63L (46.8 x 112.6 x 119.4mm)
- Supports 2.5" HDD/SSD, 7.0/9.5 mm thick (1 x 6 Gbps SATA 3)
- 1 x M.2 SSD (2280) slot
- 2 x SO-DIMM DDR4 slots
- Intel® IEEE 802.11ac, Dual Band Wi-Fi & Bluetooth 4.2 NGFF M.2 card
- HDMI plus Mini DisplayPort Outputs (Supports dual displays)
- 4 x USB 3.0 (1* USB Type-C™)
- Gigabit LAN
- Headphone Jack with Microphone
- VESA Mounting Bracket (75 x 75mm + 100 x 100mm)
GB-BLCE-4105, Intel Celeron J4105, 2x SO-DIMM DDR4, Gigabit LAN, Wi-Fi, Realtek ALC255, HDMI 2.0a, Mini DP 1.2a, M.2, USB 3.0, USB 3.0C, 3.5mm, 46.8x112.6x119.4 mm

Processor

Processor manufacturer	Intel
Processor family	Intel® Celeron®
Processor model	J4105
Processor cores	4
Processor threads	4
Processor boost frequency	2.5 GHz
Processor frequency	1.5 GHz
Built-in processor *	✓
Processor lithography	14 nm
Thermal Design Power (TDP)	10 W
Processor codename	Gemini Lake
CPU configuration (max)	1

Memory

Memory slots type *	SO-DIMM
Number of memory slots *	2
Maximum internal memory	8 GB
Supported memory clock speeds	2400 MHz
Supported memory types	DDR4-SDRAM

Storage

Supported storage drive types *	HDD & SSD
Storage drive sizes supported *	2.5"
Storage drive interface	Serial ATA III
Number of storage drives supported	1

Graphics

On-board graphics card *	✓
Graphics card family	Intel
Maximum resolution	4096 x 2160 pixels

Network

Wi-Fi standards	Wi-Fi 5 (802.11ac)
Ethernet LAN *	✓
Wi-Fi *	✓
LAN controller	Realtek RTL8111HS
Bluetooth	✓
Bluetooth version	4.2

Design

Product type *	Mini PC barebone

Performance

Processor socket	BGA 1090
Audio system	Realtek ALC255

Processor special features

Embedded options available	✖
Intel® Anti-Theft Technology (Intel® AT)	✖
Intel® AES New Instructions (Intel® AES-NI)	✓
Intel® Quick Sync Video Technology	✓
Intel® Turbo Boost Technology	✖
Intel® Hyper Threading Technology (Intel® HT Technology)	✖
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel 64	✓
Idle States	✓
Enhanced Intel SpeedStep Technology	✓
Thermal Monitoring Technologies	✓
Intel® Identity Protection Technology (Intel® IPT)	✓
Execute Disable Bit	✓
Intel® Secure Key	✓
Intel® Smart Response Technology	✖
Intel® OS Guard	✓
Intel Virtualization Technology (VT-x)	✓

Logistics data

Harmonized System (HS) code	84713000

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	1
HDMI ports quantity *	1
HDMI version	2.0a
Mini DisplayPorts quantity	1
DisplayPort version	1.2a
Combo headphone/mic port	✔
Ethernet LAN (RJ-45) ports *	1
DC-in jack	✔

Expansion slots

PCI Express slots version	2.0
Number of M.2 (M) slots	1
PCI Express configurations	1x2, 1x2+2x1, 1x4, 2x1, 4x1

Design

Chassis type *	UCFF
Product colour *	Black
Cable lock slot	✔
Cable lock slot type	Kensington
VESA mounting	✔
Panel mounting interface	75 x 75,100 x 100 mm

Software

Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64
Operating system installed	✘

Power

Power supply type *	External AC adapter
Power supply	65 W
Number of power supply units	1
AC input voltage	100 - 240 V
AC adapter output voltage	19 V
AC adapter output current	2.1 A

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-20 - 60 °C

Weight & dimensions

Width	112.6 mm
Depth	119.4 mm
Height	46.8 mm

Packaging content

AC adapter included	✔
Quick start guide	✔
Drivers included	✔

Other features

Processor ARK ID	128989

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