



GIGABYTE GB-BLCE-4105 PC/workstation barebone UCFB 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		Design	
Processor manufacturer	Intel	Product type *	Mini PC barebone
Processor family	Intel® Celeron®	Performance	
Processor model	J4105	Processor socket	BGA 1090
Processor cores	4	Audio system	Realtek ALC255
Processor threads	4	Processor special features	
Processor boost frequency	2.5 GHz	Embedded options available	✗
Processor frequency	1.5 GHz	Intel® Anti-Theft Technology (Intel® AT)	✗
Built-in processor *	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	14 nm	Intel® Quick Sync Video Technology	✓
Thermal Design Power (TDP)	10 W	Intel® Turbo Boost Technology	✗
Processor codename	Gemini Lake	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
CPU configuration (max)	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots type *	SO-DIMM	Intel 64	✓
Number of memory slots *	2	Idle States	✓
Maximum internal memory	8 GB	Enhanced Intel SpeedStep Technology	✓
Supported memory clock speeds	2400 MHz	Thermal Monitoring Technologies	✓
Supported memory types	DDR4-SDRAM	Intel® Identity Protection Technology (Intel® IPT)	✓
Storage		Execute Disable Bit	✓
Supported storage drive types *	HDD & SSD	Intel® Secure Key	✓
Storage drive sizes supported *	2.5"	Intel® Smart Response Technology	✗
Storage drive interface	Serial ATA III	Intel® OS Guard	✓
Number of storage drives supported	1	Intel Virtualization Technology (VT-x)	✓
Graphics		Logistics data	
On-board graphics card *	✓	Harmonized System (HS) code	84713000
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		

Ports & interfaces		Software	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	1	Operating system installed	✗
HDMI ports quantity *	1	Power	
HDMI version	2.0a	Power supply type *	External AC adapter
Mini DisplayPorts quantity	1	Power supply	65 W
DisplayPort version	1.2a	Number of power supply units	1
Combo headphone/mic port	✓	AC input voltage	100 - 240 V
Ethernet LAN (RJ-45) ports *	1	AC adapter output voltage	19 V
DC-in jack	✓	AC adapter output current	2.1 A
Expansion slots		Operational conditions	
PCI Express slots version	2.0	Operating temperature (T-T)	0 - 35 °C
Number of M.2 (M) slots	1	Storage temperature (T-T)	-20 - 60 °C
PCI Express configurations	1x2, 1x2+2x1, 1x4, 2x1, 4x1	Weight & dimensions	
Design		Width	112.6 mm
Chassis type *	UCFF	Depth	119.4 mm
Product colour *	Black	Height	46.8 mm
Cable lock slot	✓	Packaging content	
Cable lock slot type	Kensington	AC adapter included	✓
VESA mounting	✓	Quick start guide	✓
Panel mounting interface	75 x 75,100 x 100 mm	Drivers included	✓
		Other features	
		Processor ARK ID	128989



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