

J4105TH Motherboard









- On board Intel Celeron J4105 Quad-core 2.50 GHz
- Support 1-SO-DIMM DDR4-1866/ 2133/ 2400 up to 8G maximum capacity
- Support USB 3.1 Gen1
- Support HDMI display port
- Support M.2(10Gb/s)






Specification

CPU	Intel Celeron J4105 Quad-core 2.50 GHz
MEMORY	Supports Single Channel DDR4-1866/ 2133/ 2400 MHz 1 x DDR4 SO-DIMM Memory Slot Max. Supports up to 8GB Memory *Please refer to www.biostar.com.tw for Memory support list.
INTEGRATED VIDEO	Intel HD Graphics
STORAGE	1 x SATA III Connector(6Gb/s) 1 x M.2 (M Key) Connector 10Gb/s (PCI-E2.0): Supports PCI-E SSD
LAN	Realtek RTL8111H - 10/100/1000Mb/s Controller
AUDIO CODEC	Realtek ALC887 2-Channel Audio
USB	4 x USB 3.1 Gen1 Ports (4 on rear I/Os) 3 x USB 2.0 Ports (2 on rear I/Os and 1 via internal headers)
EXPANSION SLOT	1 x PCI-E M.2 Key E Slot (PCI-E2.0 + USB2.0): Supports Wi-Fi / Bluetooth Card / Intel CNVi Jefferson Peak
REAR I/O	1 x DC IN 12V 4 x USB 3.1 Gen1 Port 2 x USB 2.0 Ports 1 x HDMI Connector, resolution up to 4096 x 2160@24Hz, compliant with HDMI 1.4 1 x LAN Port 2 x Audio Jacks

INTERNAL I/O	1 x USB 2.0 Header1*5 Pin (each header supports 1 USB 2.0 ports) 1 x SATA III Connector (6Gb/s) 1 x SATA Power Connector 1 x Front Audio Header 1 x Front Panel Header 2 x System Fan Connector 2 x 5050 LED Header 1 x Clear CMOS Header 1 x Internal Stereo Speaker Header 1 x Inverter Header 1 x LCD Voltage select Jumper Header 1 x LCD Backlight Inverter Power Select Jumper Header 1 x LVDS Header
DIMENSION	Thin Mini ITX Form Factor Dimension: 17 cm x 17 cm (W x L)
OS SUPPORT	Supports Windows 10(64bit) *Biostar reserves the right to add or remove support for any OS with or without notice.

OVERVIEW

	<p>HD Audio</p> <p>Provides high quality sound with minimal loss of audio fidelity.</p>
	<p>DX12</p> <p>DirectX 12 introduces the next version of Direct3D, the graphics API at the heart of DirectX. Direct3D is one of the most critical pieces of a game or game engine, and we've redesigned it to be faster and more efficient than ever before. Direct3D 12 enables richer scenes, more objects, and full utilization of modern GPU hardware.</p>
	<p>Integrated HDMI with HDCP</p> <p>Onboard HDMI connector allows full video & audio support. It has industry-leading high definition video quality.</p>
	<p>USB 3.1 Gen 1 Type-A</p> <p>Experience Fastest data transfers at 5 Gbps with USB 3.1 Gen 1--the new latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.1 Gen 1 transfers data 10X faster and backward compatible with previous USB 2.0 components.</p>
	<p>PCIe M.2</p> <p>The extremely data transfer rate can be up to 1000MB/s (PCIe x2) and also compatible with SATA interface M.2, up to 6Gb/s. It is specifically designed for higher performance SSD.</p>
	<p>SATAIII 6Gbps</p> <p>SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer HD media. With this super speed data transfer, SATAIII allows an incredible data boost which is 2x faster than the SATA II.</p>

	<p>BullGuard Internet Security (90 days FREE trial)</p> <p>BullGuard Internet Security comes with the broadest line-up of internet security features on the market, including: a cutting-edge dual Antivirus engine, Online Backup for your precious files, PC Tune Up to speed up your system, a Game Mode for a seamless gaming experience, Parental Control, Firewall, Safe Browsing and many more. Make the most of your digital life with Bullguard!</p>
	<p>BIO-Flasher</p> <p>BIO-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated flash utility.</p>
	<p>eHot-Line Utility</p> <p>Integrated e-service automatically sends your technical support request to Biostar Globe tech support without any delay.</p>
	<p>BIOScreen Utility</p> <p>Personalize your desktop with customizable boot logo. BIOScreen is the new feature that lets you personalize and create your own style with unique, custom-made boot logo.</p>
	<p>HDMI</p> <p>The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.</p>

***The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!**