

Mini Box PC Based on Intel® Pentium® Silver processor J5005



Specification:

Board Form Factor	4.0 inches by 4.0 inches (101.60 millimeters by 101.60 millimeters)
Processor	<ul style="list-style-type: none"> ● Soldered-down quad-core Intel® Pentium® Silver processor J5005 - up to 10W TDP - 4M Cache, 1.5 GHz base, 2.80 GHz turbo - Intel® UHD Graphics 605 - Integrated memory controller - Integrated PCH
Memory	<ul style="list-style-type: none"> ● Support for DDR4 2133/2400MHz SO-DIMMs ● Support for 4GB and 8GB memory technology ● Support for up to 8GB of system memory with two SO-DIMMs ● Support for non-ECC memory ● Support for 1.2V low voltage JEDEC memory
Graphics	<ul style="list-style-type: none"> ● Integrated graphics support with Intel® UHD Graphics technology: - Two High Definition Multimedia Interface* (HDMI*) 2.0a full-sized back panel connectors - 4K support, at 60Hz
Audio	<ul style="list-style-type: none"> ● Intel® High Definition (Intel® HD) Audio via the HDMI v2.0 interfaces supporting compressed 7.1 digital audio ● Supports external USB-connected audio devices
Peripheral Interfaces	<ul style="list-style-type: none"> ● USB 3.0 ports: <ul style="list-style-type: none"> - Two ports are implemented with external front panel connectors (one blue and one amber charging capable) - Two ports are implemented with external back panel connectors (blue) ● USB 2.0 ports: <ul style="list-style-type: none"> - Two ports via two single-port internal 1x4 1.25mm pitch headers (white) ● Consumer Infrared (CIR) ● Auxiliary power (AUX_PWR) - provides 1A of 5 VSB and DC IN power ● Consumer Electronics Control (CEC) header ● Front panel header

Storage	<ul style="list-style-type: none"> ● One SATA 6.0 Gbps port (black) - Supports one 2.5" SSD or HDD up to 9.5mm ● One full-sized SDXC slot
BIOS	<ul style="list-style-type: none"> ● Intel® BIOS resident in the Serial Peripheral Interface (SPI) Flash device ● Support for Advanced Configuration and Power Interface (ACPI), Plug and Play, and System Management BIOS (SMBIOS)
LAN Support	Gigabit (10/100/1000Mbps) LAN subsystem using the Realtek* 8111H-CG Gigabit Ethernet Controller
Hardware Monitor Subsystem	<p>Hardware monitoring subsystem, based on an ITE* IT8987VG embedded controller, including:</p> <ul style="list-style-type: none"> ● Voltage sense to detect out of range power supply voltages ● Thermal sense to detect out of range thermal values ● One processor fan header ● Fan sense input used to monitor fan activity ● Simple fan speed control
Wireless	<p>Intel® Wireless-AC 9462-D2W module</p> <ul style="list-style-type: none"> ● 802.11ac, dual band, 1x1 (Diversity) Wi-Fi + Dual Mode Bluetooth 5 ● Maximum Transfer speed up to 433Mbps ● Supports Intel® Smart Connect Technology ● Soldered-down module
Operating System	<ul style="list-style-type: none"> ● Supports Microsoft* Windows* 10 Home and Microsoft* Windows* 10 Pro <p>Only UEFI-enabled operating systems are supported. Legacy operating systems are not supported. Please check your OS distributor for support details.</p>
Additional Features	<ul style="list-style-type: none"> ● Integrated HDMI CEC (HDMI 1 only) ● Intel® Platform Trust Technology (Intel PTT) Generation 3

I/O Interfaces:

