

# Motherboard M312C5



The M312C5 mini-ITX motherboard is the perfect small form solution for various demands. Packed with strength all over the board with an Intel Celeron J1900 processor and dedicated NVIDIA GeForce GT 710 discrete graphics, this motherboard redefines productivity through its immense potential. The M312C5 can be transformed to suit your needs with easy memory and storage upgrade. It is also ready for expansion with 1 PCIe 2.0 slot and a Mini PCIe slot.

**SKU: EMB-M312C5-D01**



## SPECIFICATIONS



DISPLAYPORT



HDMI



GIGABIT LAN

<b>Processor</b>	Intel Celeron J1900 Quad-core upto 2.42GHz, 2MB cache
<b>System Memory</b>	2 x DDR3-1333 SODIMM slot, 2-channel, Max 8 GB
<b>Graphics Engine</b>	GeForce GT 710, 1GB GDDR3, 192 CUDA cores, DirectX 12
<b>HD Video Capability</b>	HDMI 1.4a: 4096 x 2160 @24H, 3840 x 2160 @30Hz DisplayPort 1.2: 3840 x 2160 @60Hz (Ultra HD) Dual-link DVI-I: 2560 x 1600 @60Hz VGA (thru DVI-VGA adapter): 2048 x 1536
<b>Mass Storage</b>	2 x SATA 3Gbps, 1 x mSATA (shared with 2nd SATA port)
<b>Video Output</b>	1 x HDMI 1.4, 1 x DisplayPort 1.2, 1 x Dual-link DVI-I
<b>Audio</b>	8-ch HD audio, Optical SPDIF
<b>USB Port</b>	6 x USB 2.0, 2 x USB 3.0
<b>LAN</b>	1 x Gigabit LAN
<b>Legacy I/O</b>	1 x RS232 serial header, 1 x PS/2 port for keyboard & mouse
<b>Expansion</b>	1 x PCI Express X1 Lane on X16 open-end slot, 1 x mini PCIe slot (occupied by Wifi module)
<b>Power Supply</b>	ATX 24-pin connector (Optional DC19V DC jack and DC12V 2x2pin connector)
<b>Cooling System</b>	Active cooling
<b>Operating Temperature</b>	-20°C ~+40°C (motherboard)
<b>Mechanical</b>	Mini-ITX form factor, Dimensions: 17cm x 17cm
<b>Supported Operating System</b>	Windows 7, 8, 8.1, 10
<b>Longevity Support</b>	No