

Mini-ITX Series



Model Name	mITX-4105A	mITX-4205A
CPU	Intel® Celeron® J4105 Processor, 14nm, 4 cores, 4 threads, up to 2.5 GHz, TDP 10W, fan-less design	Intel® Pentium® Processor J4205, 14nm, 4 cores, 4 threads, up to 2.6 GHz, TDP 10W, fan-less design
Socket	FCBGA1090	FCBGA1296
Chipset	—	—
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 8 GB, Support Dual Channel DDR4 2400 MHz	2 x DDR3L SO-DIMM sockets, Max. Capacity 8 GB, Support Dual Channel DDR3L 1866 MHz
Ethernet	2 x GbE LAN ports (Realtek® RTL8111HS)	2 x GbE LAN ports (Realtek® RTL8111HS)
Graphic	Integrated Graphics Processor - Intel® UHD Graphics 600: 1 x HDMI 2.0 1 x VGA 1 x LVDS or eDP 3 independent display outputs	Integrated Graphics Processor - Intel® HD Graphics 505: 1 x HDMI 1.4 1 x VGA 1 x LVDS or eDP 3 independent display outputs
Audio	Realtek® ALC269	Realtek ALC269
Storage	5 x SATA 6Gb/s ports (4 x from Marvell 88SE9230, support RAID 0/1/10) (1 x from J4105 supports SATA DOM)	5 x SATA 6Gb/s ports (4 x from Marvell 88SE9230, support RAID 0/1/10) (1 x from J4205 supports SATA DOM)
Expansion Slots	1 x PCIe x4 (Gen2 x2) 1 x 2280/2260/2242 M.2 M-Key (SATA 6Gb/s) 1 x 2230 M.2 E-Key (CNVi cards only)	1 x PCIe x1 (Gen2 x1) 1 x Full-size mSATA
Internal I/O	1 x 4-pin ATX main power connector 3 x SATA power connectors 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 2 x USB 2.0 headers 2 x USB 3.0 headers 4 x COM headers (RS-232) 1 x GPIO (8 bits) & SMBUS header 1 x Case open header 1 x AT/ATX mode jumper 1 x Backlight Control header 1 x RAID LED header 2 x LAN LED headers 1 x Clear CMOS jumper 1 x Buzzer	1 x 4-pin ATX power connector 5 x SATA power connectors 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 2 x USB 2.0 headers 2 x USB 3.0 headers 4 x COM headers (RS-232) 1 x GPIO (8 bits) & SMBUS header 1 x Case open header 1 x PS/2 KB/MS Connector 1 x Backlight Control header 1 x RAID LED header 2 x LAN LED headers 1 x Clear CMOS jumper 1 x Buzzer
Rear I/O	3 x Audio Jacks (Line in, Line out, Mic in) 2 x COM ports (RS-232/422/485 & RI/5V/12V) 1 x HDMI 2.0 1 x VGA 2 x RJ45 LAN ports 2 x USB 2.0 2 x USB 3.0 1 x DC Jack (+12VDC)	3 x Audio Jacks (Line in, Line out, Mic in) 2 x COM ports (RS-232/422/485 & RI/5V/12V) 1 x HDMI 1 x VGA 2 x RJ45 LAN ports 2 x USB 2.0 2 x USB 3.0 1 x DC Jack (+12VDC)
TPM	1 x TPM header	1 x TPM header
Operating Temp.	0°C to 60°C	0°C to 60°C
Ordering Information	9MZGLKAINR-SI (Bulk packing)	Fanless version: 9MZAPLAINR-SI (Bulk packing)