



IB4-271- Thin Mini-ITX Motherboard with Intel® Celeron® J6412 Processor

The IB4-271 is a small form factor low-height motherboard excellent for deployment in industrial environments where space is at a premium. The fanless design allows for high performance while remaining efficient. The IB4-271 supports up to 3 simultaneous displays making it an amazing solution across a variety of market segments.

SPECIFICATIONS

CPU	Intel® Celeron J6412
Memory Type	260-pin DDR4 3200 MHz SO-DIMM
Memory Slots	2
Maximum Memory Supported	32GB
Chipset	Integrated in SoC
Integrated Graphics	Intel® UHD Graphics
Watchdog Timer	Yes
Video	1x HDMI, 1x DisplayPort, 1x LVDS, 1x eDP (Colay with LVDS), 1x J_HDMI (Colay with HDMI)
LAN Ports	2 x Realtek® RTL8111HGbE LAN
Serial ATA(SATA)	2 x SATA III
GPIO Interface	4 x GPI, 4 x GPO
TPM	2.0 (Optional)
Extended Interface	1x M.2 M-Key 2280 for SSD, 1x M.2 E-Key 2230 for WiFi/BT, 1x M.2 B-Key 3042 for 3G/4G Module, 1x SIM Slot

Rear I/O	2 x USB 3.2 Gen2, 2 x USB 2.0, 1x HDMI, 1x DisplayPort, 2 x LAN, 1x Line-Out/Mic-In, 1x 12~ 24V DC Input Jack
Internal I/O	2 x USB 3.2 Gen1, 2 x USB 2.0, 2 x RS-232/422/485, 4 x RS-232, 1x Audio, 1x GPIO, 1x 4-pin ATX DC Input
Audio	Realtek® ALC897 HD Audio
Power Requirement	12~ 24V DC Input
Dimensions	6.69" x 6.69" (170mm x 170mm)
Operating Temperature	0 ~ 60°C (32 ~ 114°F) @ 0.7m/s Air Flow
Storage Temperature	-20~ 75 °C (-4~ 167°F)
Relative Humidity	5 ~ 95% @ 40°C, non-condensing
OS Software Supported	Windows 10 64-bit, Windows 11 64-bit, Linux Ubuntu 64-bit
Global P/N / SKU	2809176

Ordering Options

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