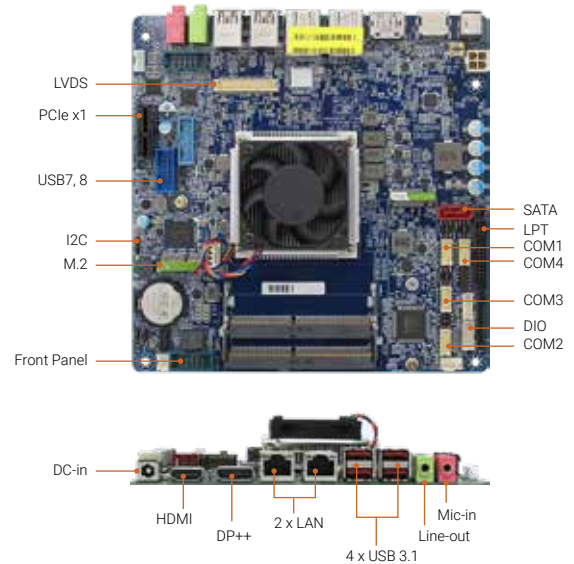


MX4305UE

Intel® Celeron 4305UE Processor Mini-ITX Motherboard

Features

- Intel® Whiskey Lake Celeron 4305UE processor onboard
- Intel® UHD Graphics 620
- Display: supports triple displays simultaneously via 1 x DP1.2 (DP++) and 1 x HDMI 1.4b, 18/24 bits Dual Channel LVDS
- Expansion: 1 x PCIe x1, 1 x 2230 M.2 E Key, 1 x 2280 & 2242 M.2 M Key NVMe for Wi-Fi/BT support
- Ethernet: 2 x RJ-45 (Intel® I211-AT and Intel® I219-LM Gigabit)
- USB: 4 x USB 3.1 Type A, 2 x USB 3.1, 2 x USB 2.0
- COM Port: 1 x RS-232/422/485 and 3 x RS-232 Header
- I²C connector onboard
- Wide Range DC-in: 12V - 24V DC-in
- TPM: hardware based TPM 2.0 onboard



Specifications

System	
CPU	Intel® Celeron 4305UE 2.0 GHz Dual Core Processor Onboard * Also available with these processors: - Intel® Core™ i7-8665UE Quad Core up to 4.40 GHz max - Intel® Core™ i5-8365UE Quad Core up to 4.10 GHz max - Intel® Core™ i3-8145UE Dual Core up to 3.90 GHz max
System Memory	Two 260-pin So-DIMM DDR4 2400Mhz, up to 32GB Max
BIOS	256Mb SPI BIOS
Audio	Realtek HD Audio support 7.1 channel sound playback
Ethernet	LAN 1: Intel® I211-AT Ethernet Controller LAN 2: Intel® I219-LM Ethernet Controller
Watchdog Timer	H/W Reset, 1sec. ~ 255 Sec.
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
Expansion	1 x 2230 M.2 E Key (with PCIe x1 Channel & USB Signal) 1 x 2280 & 2242 M.2 M Key NVMe (with PCIe x4 & SATA III Signal) 1 x PCIe x1 (Open Ended)
Storage	eMMC (Optional)
TPM	Infineon® SLB 9665TT 2.0
Supported OS	Win 10, Linux
Display	
Chipset	Intel® UHD Graphics 610
Resolution	1 x DP1.2 @60Hz (4096x2160) 1 x HDMI 1.4b @60Hz (4096x2160) 18/24 bits Dual Channel LVDS
Multiple Display	Supports Three Independent Display
External I/O	
DisplayPort	1 x DisplayPort (supports DP++)
HDMI	1 x HDMI
LAN	2 x RJ-45
USB	4 x USB 3.1 Type A
Audio	1 x Line-out, 1 x Mic-in
DC-in	1 x DC-In

Onboard I/O	
COM Port	1 x RS-232/422/485 Header, 3 x RS-232 Headers
USB	1 x USB 3.1 Header (2 x USB 3.1 Ports) 1 x USB 2.0 Header (2 x USB 2.0 Ports)
SATA	1 x SATA III Connectors (Red) 1 x 15 pin SATA Power Connector
LVDS/eDP	1 x LVDS/eDP Header, 1 x Backlight Header
I ² C	1 x I ² C Header
MIO	1 x LPT, 1 x LPC, 1 x 4-Pin DC-In Connector, 1 x Horizontal Socket Type Battery, 1 x 8-bits GPIO, 1 x Front, Audio, 1 x Front Panel, 1 x 4-Pin CPU Fan, 1 x 4-Pin System Fan
Mechanical & Environment	
Power	12V-24V Wide Range DC-In
Operating Temp.	0°C ~ 60°C (32°F ~ 140°F)
Operating Humidity	5% ~ 85% Relative Humidity, Non-condensing
Dimensions	6.7" x 6.7"
Form Factor	Mini-ITX
Certification Information	CE, FCC Class B
Weight	0.88 lbs

Ordering Info	
MX4305UE	Intel® Celeron 4305UE mini-ITX Motherboard
Accessories	1 x SATA Power Cable, 1 x Full Height I/O Shield, 1 x Half Height I/O Shield

* All product specifications and images are subject to change without notice. Last update: 2020/12/14



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