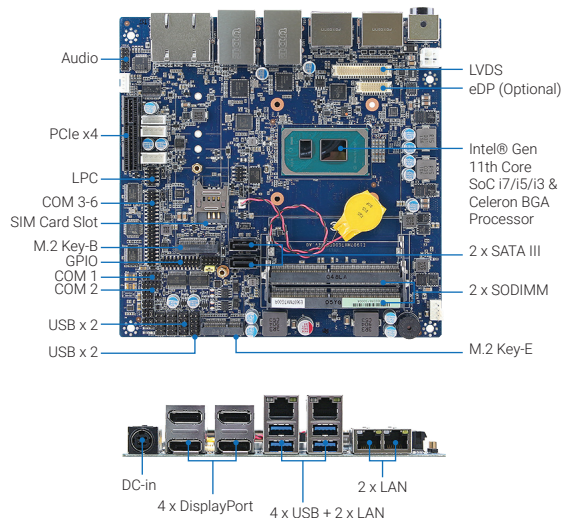


COMING SOON

Features

- Onboard Intel® Gen 11th Core™ SoC i7/i5/i3 & Celeron BGA Processor
- Intel® Iris Xe Graphic™ (Gen 12)
- 4 x DisplayPort 1.4a, Supports 4 Independent Display
- 4 x LAN Ports - 1 x 2.5GbE, 3 x 1GbE
- Realtek HD Audio support 7.1 channel sound playback
- 3 x USB 3.1, 4 x USB 2.0
- 6 x COM Ports, 2 x SATA III, 2 x SATA Power, 16-bit GPIO
- 1 x PCIe Gen4 x4 Slot (Open Ended)
- 1 x SIM Card Slot
- 1 x M.2 Key-E 2242/3042 (with USB & PCIe x1)
- 1 x M.2 Key-B 2242/2260/2280/3042/3052 Slot (with USB, PCIe x2 & SATA III)
- Support Line-out & Mic-in, Front audio pin-header
- Onboard TPM 2.0
- DC in +12~24V



Specifications

System	
CPU	11th Gen Intel® Core™ SoC i7/i5/i3 and Celeron BGA Tiger Lake Processor 12W/15W/28W TDP
System Memory	2 x SODIMM support up to 128GB Dual Channel DDR4 3200MT/s
BIOS	AMI® SPI BIOS
Expansion	1 x PCIe Gen4 x4 Slot (Open Ended) 1 x M.2 Key-E 2242/3042 (with USB & PCIe x1) 1 x M.2 Key-B 2242/2260/2280/3042/3052 Slot (with USB, PCIe x2 & SATA III) 1 x SIM Card Slot
TPM	Infineon® SLB 9665 TPM 2.0
Watchdog Timer	1 Sec - 255 Sec
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
Supported OS	Win 10
External I/O	
Display	4 x DisplayPort
USB	2 x USB 3.1 Gen 1 2 x USB 2.0
LAN	4 x RJ45
DC-in	1 x DC-in
Internal I/O	
Display	1 x LVDS connector, Optional eDP
USB	1 x USB 2.0 (2 Ports) 1 x USB 3.1 (2 Ports)
COM	4 x RS232 Headers 2 x RS232/422/485 Headers
GPIO	1 x 8-bit GPIO Header
SATA	2 x SATA III Connectors
I2C	1 x I2C

Display	
Graphics Engine	Intel® Iris Xe Graphic™ (Gen 12)
Resolution	4 x DisplayPort: Max. Resolution 7680x4320@60Hz
Display Output	Supports 4 Independent Display
Audio	
Chipset	Realtek HD Audio support 7.1 channel sound playback
Amplifier	TI TPA3113D2PWP Stereo Class-D 6 Watts Per Channel Amplifier
Ethernet	
LAN 1	Intel® I219-LM (1GbE) Gigabit Ethernet Controller
LAN 2	Intel® I225-LM (2.5GbE) Ethernet Controller
LAN 3	Intel® I210-AT (1GbE) Gigabit Ethernet Controller
LAN 4	Intel® I210-AT (1GbE) Gigabit Ethernet Controller
Mechanical & Environment	
Power Requirement	12V - 24V DC-In
Operating Temp.	0°C to 60°C (32°F - 140°F)
Form Factor	Mini-ITX
Dimensions	6.7" x 6.7" (170mm x 170mm)
Certification Information	CE, FCC Class B
Weight	0.88 lbs

* All product specifications and images are subject to change without notice. Last update: 2021/06/24



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