

SDM-L 613

RAPTOR LAKE SMART DISPLAY MODULE



Intel® Raptor Lake-U
Core processors



1 x HDMI (7680 x 4320 @60 Hz)
SDM I/O support 4K resolution



Support Wi-Fi/BT module



Intel® vPro technology

CPU

| | |
|------------------------------|--|
| CPU | Intel® Core™ i3-1315U processor Intel® Core™ i5-1335U / i5-1345U processor Intel® Core™ i7-1355U processor |
| Efficient Frequency | 3.30GHz /3.40 GHz /3.50 GHz /3.70 GHz |
| Performance Frequency | 4.50 GHz /4.60 GHz /4.70 GHz /5.00 GHz |
| Chipset | SoC |
| Processing Units | 6 Cores /10 Cores /10 Cores /10 Cores |
| Configurable TDP-up | 15 W /15 W /15 W /15 W |

System

| | |
|------------------------------|---|
| System Memory | Up to 64 GB, 2 x SO-DIMM DDR5-5200 MHz |
| Storage | 1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD |
| TPM | Optional: TPM2.0 |
| JAHC | Watchdog Timer, Auto Power On, RTC |
| Power Requirement | DC-IN, 12 V/5 A SDM IO: 12 V |
| Dimensions | 175mm x 110mm (6.89" x 4.33") |
| Operation System | Windows 11 (64bit) / Linux Ubuntu (64bit) |
| Operating Temperature | 0°C ~60°C (32°F~140°F) @0.7m/s Air Flow |
| Storage Temperature | -20°C ~75°C (-4°F~167°F) |
| Humidity | 95% @ 45°C (non-condensing) |

Network

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|---------------------------|--|
| Network Controller | 1 x Intel® Ethernet Controller I225-LM |
| Ethernet Interface | 1 x 2.5GbE RJ45 |
| Wi-Fi/BT | 1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6 (CNVi) |
| Mobile Network | N/A |

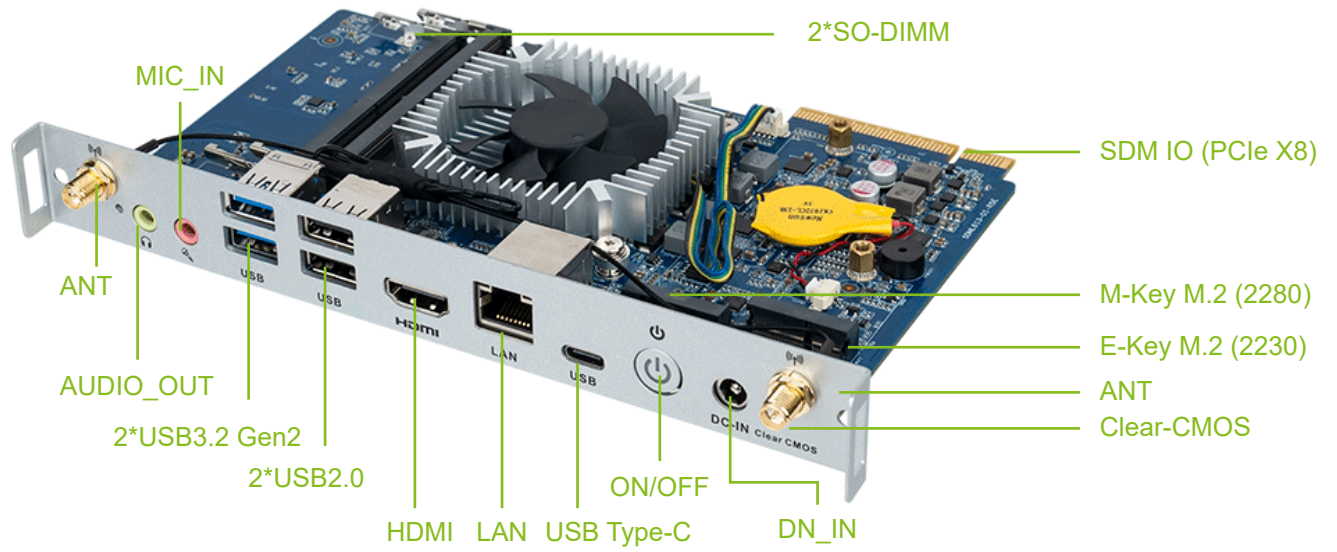
Display

| | |
|--------------------------|--|
| GPU | Intel® UHD Graphics (Core i3) Intel® IRIS® X® Graphics (Core i5, Core i7) |
| Graphic Engine | DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 8K60 12b 4:2:0 HEVC/VP9/SCC |
| Display Interface | 1 x HDMI (Max.7680 x 4320 @60 Hz) |

I/O interface

| | |
|-------------------------------|---|
| USB | 1 x USB Type-C3.2 Gen1, 2 x USB3.2 Gen2, 2 x USB2.0 |
| Serial Port | NA |
| Audio | 1 x MIC-IN, 1 x AUDIO-OUT |
| Button | 1 x Power on, 1 x CLR-CMOS |
| Antenna | 2 x Connector for Wi-Fi/BT |
| SDM I/O | HDMI (4096 x 2304 @60 Hz), DP (4096 x 2304 @60 Hz), USB3.2 Gen1, UART, GSPi, I2C, PCIe, SYS_FAN |
| PCIe X8 Edge Connector | |

Dimensions and Drawing



Optional items

| | |
|---------------------------------|--|
| Wi-Fi/BT Module | Intel® Dual Band Wireless-AC 9260, Intel® Wi-Fi 6 AX200, Intel® Wi-Fi 6E AX210 (Gig+) |
| Operation System License | Windows 11 (64bit) |