

# 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

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

### System

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

### Network

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

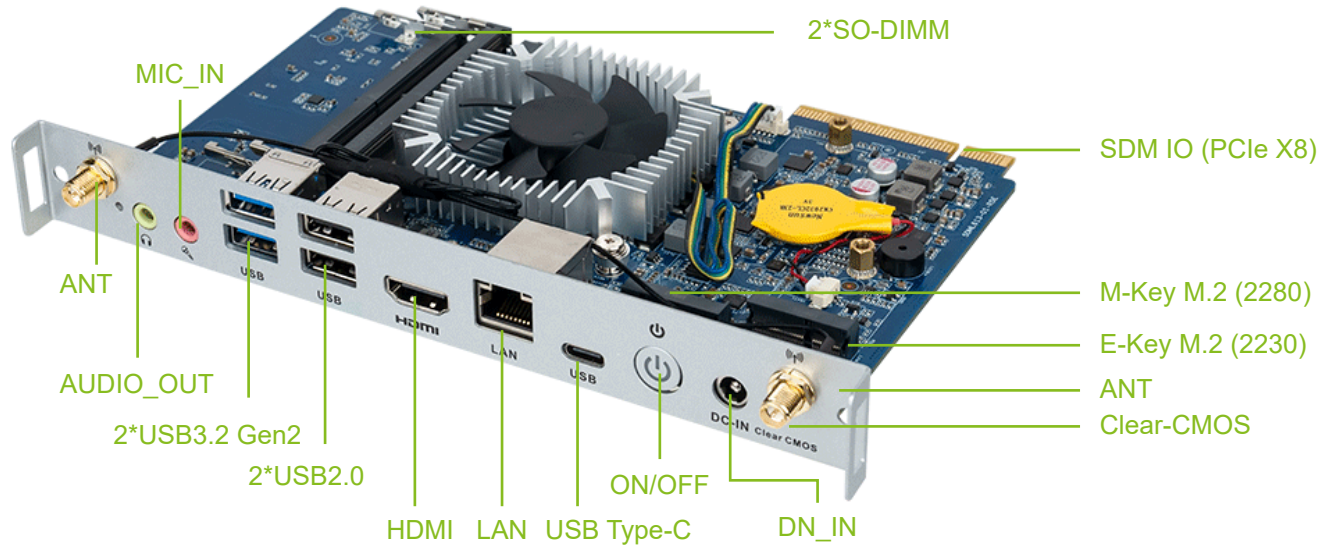
### Display

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

### I/O interface

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

## Dimensions and Drawing



## Order information

<b>SDM-L 1315G50H0G-GIA</b>	CPU: Intel® Core™ i3-1315U
<b>SDM-L 1335G50H0G-GIA</b>	CPU: Intel® Core™ i5-1335U
<b>SDM-L 1345</b>	CPU: Intel® Core™ i5-1345U
<b>SDM-L 1355</b>	CPU: Intel® Core™ i7-1355U

## Optional items

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