

Video Output Information

1. In the External Display Output column, the supported resolutions and the refresh rates for each display port are listed.
2. The port listed in front represents the port on the laptop, and the other one represents the port connected on the external monitor.
3. The Display Ports column shows the type and number of output connectors.
*The miniDP and Type-C w/DP ports on the laptops listed in this document support DP v1.4 unless stated otherwise.
4. See the list of used acronyms in the right table.
5. The MUX switch is an option that allows users to run the system in MSHybrid mode or Discrete Graphics mode, and can be configured in the General Settings in MSI Centers (MSI Center/ MSI Center Pro) on laptops that support it.
6. To know which graphics card the display port is wired to, check where the display port is shown in the table, or check the connected graphics in the “Set PhysX Configuration” page in NVIDIA Control Panel.

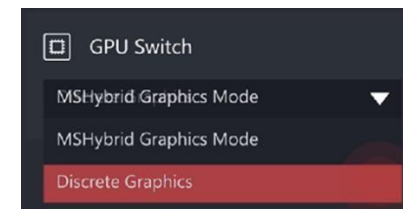
External Display Output	
Max Resolution	Max Refresh Rate
TBT-HDMI*1: 4096x2160 @60Hz	TBT-HDMI*1: 1920x1080 @240Hz
TBT-DP: 5120x2160 @60Hz	TBT-DP: 1920x1080 @240Hz
TBT-Type C(TB/DP): 5120x2160 @60Hz	TBT-Type C(TB/DP): 1920x1080 @240Hz

Max Resolution
TBT-HDMI*1: 4096x2160 @60Hz
TBT-DP: 5120x2160 @60Hz
TBT-Type C(TB/DP): 5120x2160 @60Hz

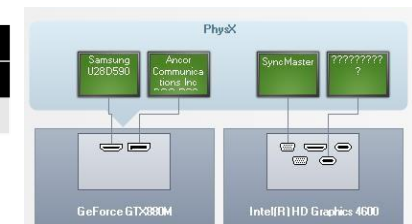
NB Monitor

Display Ports	
iGPU	dGPU
TBT 4*3x1	-
Type-C w/DP x1	-
-	HDMIx1

Acronym	Description
DP/mDP	Display Port/ mini Display Port
HDMI	High-Definition Multimedia Interface
TBT	Thunderbolt
iGPU/dGPU	Intergrated GPU/ Dedicated GPU



Display Ports	
iGPU	dGPU
TBT 4*3x2	-



MSI Laptops with Core Ultra 3 Intel Processor

Business & Productivity

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Gaming

- ★ [Stealth Series](#)

Handheld

- ★ [Claw Series](#)

Prestige Series 1/3

Notebook	GPU	MUX Switch	Display Ports		External Display Output		Matrix Display (incl. NB display)
			iGPU	dGPU	Max Resolution	Max Refresh Rate	
Prestige 16 AI+ C3MG	UMA	X	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 3840*2160 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT:5120x2160 @60Hz	TBT-DP: 1920x1080 @380Hz TBT - Type-C(DP): 2560*1440 @360Hz TBT- HDMI: 2560x1440 @360Hz TBT - TBT:5120x2160 @60Hz	4
			HDMI x1	-	HDMI : 7680x4320 @60Hz	HDMI : 2560x1440 @360Hz	
Prestige 16 AI+ C3MTG	UMA	X	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 3840*2160 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT:5120x2160 @60Hz	TBT-DP: 1920x1080 @380Hz TBT - Type-C(DP): 2560*1440 @360Hz TBT- HDMI: 2560x1440 @360Hz TBT - TBT:5120x2160 @60Hz	4
			HDMI x1	-	HDMI : 7680x4320 @60Hz	HDMI : 2560x1440 @360Hz	
Prestige 16 Flip AI+ C3MTG	UMA	X	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 3840*2160 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT:5120x2160 @60Hz	TBT-DP: 1920x1080 @380Hz TBT - Type-C(DP): 2560*1440 @360Hz TBT- HDMI: 2560x1440 @360Hz TBT - TBT:5120x2160 @60Hz	4
			HDMI x1	-	HDMI : 7680x4320 @60Hz	HDMI : 2560x1440 @360Hz	

Prestige Series 2/3

Notebook	GPU	MUX Switch	Display Ports		External Display Output		Matrix Display (incl. NB display)
			iGPU	dGPU	Max Resolution	Max Refresh Rate	
Prestige 14 AI+ D3MG	UMA	X	TBT 4 x2	-	TBT-HDMI: 7680x4320 @60Hz TBT - Type-C(DP): 3840*2160 240Hz TBT-DP: 7680x4320 @60Hz TBT - TBT:5120x2160 @60Hz	TBT- DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 2560x1440 @500Hz TBT - TBT:5120x2160 @60Hz	4
			HDMI x1	-	HDMI: 7680*2160 120Hz	HDMI-HDMI: 2560x1440 @500Hz	
Prestige 14 AI+ D3MTG	UMA	X	TBT 4 x2	-	TBT-HDMI: 7680x4320 @60Hz TBT - Type-C(DP): 3840*2160 240Hz TBT-DP: 7680x4320 @60Hz TBT - TBT:5120x2160 @60Hz	TBT- DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 2560x1440 @500Hz TBT - TBT:5120x2160 @60Hz	4
			HDMI x1	-	HDMI: 7680*2160 120Hz	HDMI-HDMI: 2560x1440 @500Hz	
Prestige 14 Flip AI+ D3MTG	UMA	X	TBT 4 x2	-	TBT-HDMI: 7680x4320 @60Hz TBT - Type-C(DP): 3840*2160 240Hz TBT-DP: 7680x4320 @60Hz TBT - TBT:5120x2160 @60Hz	TBT- DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 2560x1440 @500Hz TBT - TBT:5120x2160 @60Hz	4
			HDMI x1	-	HDMI: 7680*2160 120Hz	HDMI-HDMI: 2560x1440 @500Hz	

Prestige Series 3/3

Notebook	GPU	MUX Switch	Display Ports		External Display Output		Matrix Display (incl. NB display)
			iGPU	dGPU	Max Resolution	Max Refresh Rate	
Prestige 13 AI+ A3MG	UMA	X	TBT 4 x2	-	TBT-HDMI: 7680x4320 @60Hz TBT - Type-C(DP): 5120*1440 240Hz TBT-DP: 7680x4320 @60Hz TBT - TBT: 5120x2160 @60Hz	TBT- DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 1920x1080 @540Hz TBT - TBT: 5120x2160 @60Hz	4
			HDMI x1	-	HDMI-HDMI: 7680x4320 @60Hz	HDMI-HDMI: 1920x1080 @600Hz	

Stealth Series 1/3

Notebook	GPU	MUX Switch	Display Ports		External Display Output		Matrix Display (incl. NB display)
			iGPU	dGPU* ¹	Max Resolution	Max Refresh Rate	
Stealth 16 AI+ B3WH	RTX 5070Ti	V	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 5120*1440 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT: 5120x2160 @60Hz	TBT-DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 1920x1080 @600Hz TBT - TBT: 5120x2160 @60Hz	4* ³
				HDMI x1-	HDMI : 7680x4320 @60Hz	HDMI : 1920x1080 @600Hz	
Stealth 16 AI+ B3WI	RTX 5080	V	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 5120*1440 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT: 5120x2160 @60Hz	TBT-DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 1920x1080 @600Hz TBT - TBT: 5120x2160 @60Hz	4* ³
				HDMI x1-	HDMI : 7680x4320 @60Hz	HDMI : 1920x1080 @600Hz	
Stealth 16 AI+ B3WJ	RTX 5090	V	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 5120*1440 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT: 5120x2160 @60Hz	TBT-DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 1920x1080 @600Hz TBT - TBT: 5120x2160 @60Hz	4* ³
				HDMI x1-	HDMI : 7680x4320 @60Hz	HDMI : 1920x1080 @600Hz	

Note:

*1: Thunderbolt ports wired to the iGPU support external displays in MSHybrid Graphics and Integrated Graphics mode only. (<https://www.msi.com/faq/faq-4175>)

*2: VR devices will require display ports wired to the dGPU to function correctly. Display output ports wired to the dGPU support external displays in MSHybrid Graphics and Discrete Graphics mode only.

*3: Maximum matrix display numbers are tested under MSHybrid mode.

Stealth Series 2/3

Notebook	GPU	MUX Switch	Display Ports		External Display Output		Matrix Display (incl. NB display)
			iGPU	dGPU* ¹	Max Resolution	Max Refresh Rate	
Stealth 16 AI+ B3WE	RTX 5050	V	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 5120*1440 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT: 5120x2160 @60Hz	TBT-DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 1920x1080 @600Hz TBT - TBT: 5120x2160 @60Hz	4* ³
				HDMI x1-	HDMI : 7680x4320 @60Hz	HDMI : 1920x1080 @600Hz	
Stealth 16 AI+ B3WF	RTX 5060	V	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 5120*1440 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT: 5120x2160 @60Hz	TBT-DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 1920x1080 @600Hz TBT - TBT: 5120x2160 @60Hz	4* ³
				HDMI x1-	HDMI : 7680x4320 @60Hz	HDMI : 1920x1080 @600Hz	
Stealth 16 AI+ B3WG	RTX 5070	V	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 5120*1440 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT: 5120x2160 @60Hz	TBT-DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 1920x1080 @600Hz TBT - TBT: 5120x2160 @60Hz	4* ³
				HDMI x1-	HDMI : 7680x4320 @60Hz	HDMI : 1920x1080 @600Hz	

Note:

*1: Thunderbolt ports wired to the iGPU support external displays in MSHybrid Graphics and Integrated Graphics mode only. (<https://www.msi.com/faq/faq-4175>)

*2: VR devices will require display ports wired to the dGPU to function correctly. Display output ports wired to the dGPU support external displays in MSHybrid Graphics and Discrete Graphics mode only.

*3: Maximum matrix display numbers are tested under MSHybrid mode.

Stealth Series 3/3

Notebook	GPU	MUX Switch	Display Ports		External Display Output		Matrix Display (incl. NB display)
			iGPU	dGPU* ¹	Max Resolution	Max Refresh Rate	
Stealth 16 AI+ B3WGX	RTX 5070	V	TBT 4 x2	-	TBT -DP: 7680x4320 @60Hz TBT - Type-C(DP): 5120*1440 240Hz TBT -HDMI: 7680x4320 @60Hz TBT - TBT: 5120x2160 @60Hz	TBT-DP: 1920x1080 @600Hz TBT - Type-C(DP): 1920x1080 @600Hz TBT- HDMI: 1920x1080 @600Hz TBT - TBT: 5120x2160 @60Hz	4* ³
				HDMI x1-	HDMI : 7680x4320 @60Hz	HDMI : 1920x1080 @600Hz	

Note:

*1: Thunderbolt ports wired to the iGPU support external displays in MSHybrid Graphics and Integrated Graphics mode only. (<https://www.msi.com/faq/faq-4175>)

*2: VR devices will require display ports wired to the dGPU to function correctly. Display output ports wired to the dGPU support external displays in MSHybrid Graphics and Discrete Graphics mode only.

*3: Maximum matrix display numbers are tested under MSHybrid mode.

Claw Series 1/1

Notebook	GPU	MUX Switch	Display Ports		External Display Output		Matrix Display (incl. NB display)
			iGPU	dGPU	Max Resolution	Max Refresh Rate	
Claw 8 EX AI+ CG3EM	iGPU	-	TBT 4*1*2	-	TBT-HDMI: 7680x4320 @60Hz TBT-DP: 7680x4320 @60Hz TBT-TBT: 5120x2160 @60Hz TBT-Type C(DP): 5120x1440 @240Hz	TBT-HDMI: 1920x1080 @600Hz TBT-DP: 1920x1080 @600Hz TBT-TBT: 5120x2160 @60Hz TBT-Type C(DP):1920x1080 @600Hz	3*2
Claw 8 EX AI+ CG3EM Launch Pack	iGPU	-	TBT 4*1*2	-	TBT-HDMI: 7680x4320 @60Hz TBT-DP: 7680x4320 @60Hz TBT-TBT: 5120x2160 @60Hz TBT-Type C(DP): 5120x1440 @240Hz	TBT-HDMI: 1920x1080 @600Hz TBT-DP: 1920x1080 @600Hz TBT-TBT: 5120x2160 @60Hz TBT-Type C(DP):1920x1080 @600Hz	3*2
Claw 8 EX AI+ CG3M	iGPU	-	TBT 4*1*2	-	TBT-HDMI: 7680x4320 @60Hz TBT-DP: 7680x4320 @60Hz TBT-TBT: 5120x2160 @60Hz TBT-Type C(DP): 5120x1440 @240Hz	TBT-HDMI: 1920x1080 @600Hz TBT-DP: 1920x1080 @600Hz TBT-TBT: 5120x2160 @60Hz TBT-Type C(DP):1920x1080 @600Hz	3*2

Note:

*1: Thunderbolt ports wired to the iGPU support external displays in MSHybrid Graphics and Integrated Graphics mode only. (<https://www.msi.com/faq/faq-4175>)

*2: Maximum matrix display numbers are tested under MSHybrid mode.