



Delta/Alpha/Bravo/Modern Series Notebook

with AMD

Rembrandt/Cezanne/Barcelo/Lucienne/Renoir/
Picasso Processor

Video Output Information



1. In the External Display Output column, you can find the supported resolution and the refresh rate when connecting to the display port.

2. Video Output column shows the number of the output connector and its supported version.

*TB: Thunderbolt 3 features high-definition video transmission and compatible with Display Port 1.2.

3. See the list of used abbreviations in the right table.

External Display Output	
4Kx2K	120Hz
HDMI: 4096x2160 @60Hz mDP: 3840x2160 @60Hz TB-HDMI: 4096x2160 @30Hz TB-DP:2560x1440 @144Hz	mDP: 2560x1440 @144Hz TB-DP:2560x1440 @144Hz

Video Output		
mDP	HDMI	TB*
1	1	0

Acronym	Description
DP/mDP	DisplayPort/Mini DisplayPort
HDMI	High-Definition Multimedia Interface

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P.S. To find the display output information for other series, please visit [Knowledge Base_1661](#).

Delta Series with AMD Cezanne Processor - 1/1



Notebook	Graphics	Video Output		External Display Output		Matrix Display (Incl. NB display)
		Type-C w/DP	HDMI	Max Resolution	Max Refresh Rate	
Delta 15 A5EFK	RX 6700M	1	1	HDMI* ¹ : 3840x2160 @60Hz Type C DP-HDMI: 3840x2160 @60Hz Type C DP-DP: 3840x2160 @60Hz	HDMI* ¹ : 1920x1080 @240Hz Type C DP-HDMI: 1920x1080 @240Hz Type C DP-DP: 1920x1080 @240Hz	3

*1: A native HDMI 2.0 with 4K resolution display supported monitor is necessary in order to achieve the 4K @60Hz display output.

Alpha Series with AMD Rembrandt Processor - 1/1



Notebook	Graphics	Video Output			External Display Output		Matrix Display (Incl. NB display)
		Type-C w/DP	HDMI	mDP	Max Resolution	Max Refresh Rate	
Alpha 17 C7VG	NVIDIA RTX 4070	1	1	1	HDMI* ¹ : 7680x4320 @60Hz Type C DP - HDMI: 7680x4320 @60Hz Type C DP - DP: 7680x4320 @60Hz mDP: 7680x4320 @60Hz	HDMI* ¹ : 1920x1080 @240Hz Type C DP - HDMI: 1920x1080 @240Hz Type C DP-DP: 1920x1080 @360Hz mDP: 1920x1080 @360Hz	4
Alpha 17 C7VF	NVIDIA RTX 4060	1	1	1	HDMI* ¹ : 7680x4320 @60Hz Type C DP - HDMI: 7680x4320 @60Hz Type C DP - DP: 7680x4320 @60Hz mDP: 7680x4320 @60Hz	HDMI* ¹ : 1920x1080 @240Hz Type C DP - HDMI: 1920x1080 @240Hz Type C DP-DP: 1920x1080 @360Hz mDP: 1920x1080 @360Hz	4

*1: A native HDMI 2.1 with 8K resolution display supported monitor is necessary in order to achieve the 8K @60Hz display output.

Alpha Series with AMD Cezanne Processor - 1/1



Notebook	Graphics	Video Output		External Display Output		Matrix Display (Incl. NB display)
		Type-C w/DP	HDMI	Max Resolution	Max Refresh Rate	
Alpha 15 B5EEK	RX 6600M	1	1	HDMI*1: 3840x2160 @60Hz Type C DP-HDMI: 3840x2160 @60Hz Type C DP-DP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz Type C DP-HDMI: 1920x1080 @240Hz Type C DP-DP: 1920x1080 @240Hz	3
Alpha 15 B5EE	RX 6600M	1	1	HDMI*1: 3840x2160 @60Hz Type C DP-HDMI: 3840x2160 @60Hz Type C DP-DP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz Type C DP-HDMI: 1920x1080 @240Hz Type C DP-DP: 1920x1080 @240Hz	3
Alpha 17 B5EEK	RX 6600M	1	1	HDMI*1: 3840x2160 @60Hz Type C DP-HDMI: 3840x2160 @60Hz Type C DP-DP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz Type C DP-HDMI: 1920x1080 @240Hz Type C DP-DP: 1920x1080 @240Hz	3
Alpha 17 B5EE	RX 6600M	1	1	HDMI*1: 3840x2160 @60Hz Type C DP-HDMI: 3840x2160 @60Hz Type C DP-DP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz Type C DP-HDMI: 1920x1080 @240Hz Type C DP-DP: 1920x1080 @240Hz	3

*1: A native HDMI 2.0 with 4K resolution display supported monitor is necessary in order to achieve the 4K @60Hz display output.

Alpha Series with AMD Renoir Processor - 1/1



Notebook	Graphics	Video Output		External Display Output		Matrix Display (Incl. NB display)
		mDP	HDMI	Max Resolution	Max Refresh Rate	
Alpha 15 A4DEK	RX 5600M	1	1	HDMI*1: 3840x2160 @60Hz mDP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz mDP: 1920x1080 @240Hz	3
Alpha 15 A4DE	RX 5600M	1	1	HDMI*1: 3840x2160 @60Hz mDP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz mDP: 1920x1080 @240Hz	3
Alpha 17 A4DEK	RX 5600M	1	1	HDMI*1: 3840x2160 @60Hz mDP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz mDP: 1920x1080 @240Hz	3
Alpha 17 A4DE	RX 5600M	1	1	HDMI*1: 3840x2160 @60Hz mDP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz mDP: 1920x1080 @240Hz	3

*1: A native HDMI 2.0 with 4K resolution display supported monitor is necessary in order to achieve the 4K @60Hz display output.

Alpha Series with AMD Picasso Processor - 1/1



Notebook	Graphics	Video Output		External Display Output		Matrix Display (Incl. NB display)
		mDP	HDMI	Max Resolution	Max Refresh Rate	
Alpha 15 A3DDK	RX 5500M	1	1	HDMI*1: 3840x2160 @60Hz mDP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @120Hz mDP: 1920x1080 @144Hz	3
Alpha 15 A3DD	RX 5500M	1	1	HDMI*1: 3840x2160 @60Hz mDP: 3840x2160 @60Hz	HDMI*1: 1920x1080 @120Hz mDP: 1920x1080 @144Hz	3

*1: A native HDMI 2.0 with 4K resolution display supported monitor is necessary in order to achieve the 4K @60Hz display output.

Bravo Series with AMD Rembrandt Processor - 1/4



Notebook	Graphics	MUX Switch	Video Output		External Display Output		Matrix Display (Incl. NB display)
			Type-C w/DP	HDMI	Max Resolution	Max Refresh Rate	
Bravo 15 C7VF	RTX 4060	V	1	1	HDMI: 7680x4320 @60Hz Type C DP-HDMI: 7680x4320 @60Hz Type C DP-DP: 7680x4320 @60Hz Type C DP-Type C: 3440x1440 @144Hz	HDMI: 1920x1080 @360Hz Type C DP-HDMI: 1920x1080 @360Hz Type C DP-DP: 1920x1080 @360Hz Type C DP-Type C: 2560x1440 @240Hz	3
Bravo 15 C7VE	RTX 4050	V	1	1	HDMI: 7680x4320 @60Hz Type C DP-HDMI: 7680x4320 @60Hz Type C DP-DP: 7680x4320 @60Hz Type C DP-Type C: 3440x1440 @144Hz	HDMI: 1920x1080 @360Hz Type C DP-HDMI: 1920x1080 @360Hz Type C DP-DP: 1920x1080 @360Hz Type C DP-Type C: 2560x1440 @240Hz	3

Bravo Series with AMD Rembrandt Processor - 2/4



Notebook	Graphics	MUX Switch	Video Output		External Display Output		Matrix Display (Incl. NB display)
			Type-C w/DP	HDMI	Max Resolution	Max Refresh Rate	
Bravo 15 C7UDX	RTX 3050	V	1	1	HDMI: 7680x4320 @60Hz Type C DP-HDMI: 7680x4320 @60Hz Type C DP-DP: 7680x4320 @60Hz Type C DP-Type C: 3440x1440 @144Hz	HDMI: 1920x1080 @360Hz Type C DP-HDMI: 1920x1080 @360Hz Type C DP-DP: 1920x1080 @360Hz Type C DP-Type C: 2560x1440 @240Hz	3
Bravo 15 C7UCX	RTX 2050	V	1	1	HDMI: 7680x4320 @60Hz Type C DP-HDMI: 7680x4320 @60Hz Type C DP-DP: 7680x4320 @60Hz Type C DP-Type C: 3440x1440 @144Hz	HDMI: 1920x1080 @360Hz Type C DP-HDMI: 1920x1080 @360Hz Type C DP-DP: 1920x1080 @360Hz Type C DP-Type C: 2560x1440 @240Hz	3

Bravo Series with AMD Rembrandt Processor - 3/4



Notebook	Graphics	MUX Switch	Video Output		External Display Output		Matrix Display (Incl. NB display)
			Type-C w/DP	HDMI	Max Resolution	Max Refresh Rate	
Bravo 17 C7VF	RTX 4060	V	1	1	HDMI: 7680x4320 @60Hz Type C DP-HDMI: 7680x4320 @60Hz Type C DP-DP: 7680x4320 @60Hz Type C DP-Type C: 3440x1440 @144Hz	HDMI: 1920x1080 @360Hz Type C DP-HDMI: 1920x1080 @360Hz Type C DP-DP: 1920x1080 @360Hz Type C DP-Type C: 2560x1440 @240Hz	3
Bravo 17 C7VE	RTX 4050	V	1	1	HDMI: 7680x4320 @60Hz Type C DP-HDMI: 7680x4320 @60Hz Type C DP-DP: 7680x4320 @60Hz Type C DP-Type C: 3440x1440 @144Hz	HDMI: 1920x1080 @360Hz Type C DP-HDMI: 1920x1080 @360Hz Type C DP-DP: 1920x1080 @360Hz Type C DP-Type C: 2560x1440 @240Hz	3

Bravo Series with AMD Rembrandt Processor - 4/4



Notebook	Graphics	MUX Switch	Video Output		External Display Output		Matrix Display (Incl. NB display)
			Type-C w/DP	HDMI	Max Resolution	Max Refresh Rate	
Bravo 15 C7UDX	RTX 3050	V	1	1	HDMI: 7680x4320 @60Hz Type C DP-HDMI: 7680x4320 @60Hz Type C DP-DP: 7680x4320 @60Hz Type C DP-Type C: 3440x1440 @144Hz	HDMI: 1920x1080 @360Hz Type C DP-HDMI: 1920x1080 @360Hz Type C DP-DP: 1920x1080 @360Hz Type C DP-Type C: 2560x1440 @240Hz	3

Bravo Series with AMD Cezanne Processor - 1/1



Notebook	Graphics	Video Output	External Display Output		Matrix Display (Incl. NB display)
		HDMI	Max Resolution	Max Refresh Rate	
Bravo 15 B5DD	RX 5500M	1	HDMI*1: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz	2
Bravo 15 B5ED	RX 6500M	1	HDMI*1: 3840x2160 @60Hz	HDMI*1: 1920x1080 @240Hz	2

*1: A native HDMI 2.0 with 4K resolution display supported monitor is necessary in order to achieve the 4K @60Hz display output.

Bravo Series with AMD Renoir Processor - 1/1



Notebook	Graphics	Video Output	External Display Output		Matrix Display (Incl. NB display)
		HDMI	Max Resolution	Max Refresh Rate	
Bravo 17 A4DDK	RX 5500M	1	HDMI*1: 3840x2160 @30Hz	HDMI*1: 1920x1080 @120Hz	2
Bravo 17 A4DDR	RX 5500M	1	HDMI*1: 3840x2160 @30Hz	HDMI*1: 1920x1080 @120Hz	2
Bravo 15 A4DDR	RX 5500M	1	HDMI*1: 3840x2160 @30Hz	HDMI*1: 1920x1080 @120Hz	2
Bravo 15 A4DCR	RX 5300M	1	HDMI*1: 3840x2160 @30Hz	HDMI*1: 1920x1080 @120Hz	2

*1: A native HDMI 2.0 with 4K resolution display supported monitor is necessary in order to achieve the 4K @60Hz display output.

Modern Series with AMD Barcelo Processor - 1/1



Notebook	Graphics	Video Output	External Display Output		Matrix Display (Incl. NB display)
		HDMI	Max Resolution	Max Refresh Rate	
Modern 14 C7M	UMA	1	HDMI: 3840x2160 @60Hz	HDMI: 1920x1080 @165Hz	2
Modern 14 C5M	UMA	1	HDMI: 3840x2160 @30Hz	HDMI: 1920x1080 @120Hz	2
Modern 15 C7M	UMA	1	HDMI: 3840x2160 @60Hz	HDMI: 1920x1080 @165Hz	2
Modern 15 C5M	UMA	1	HDMI: 3840x2160 @30Hz	HDMI: 1920x1080 @120Hz	2

Modern Series with AMD Lucienne Processor - 1/1



Notebook	Graphics	Video Output	External Display Output		Matrix Display (Incl. NB display)
		HDMI	Max Resolution	Max Refresh Rate	
Modern 14 B5M	UMA	1	HDMI: 3840x2160 @60Hz	HDMI: 1920x1080 @120Hz	2
Modern 15 A5M	UMA	1	HDMI: 3840x2160 @60Hz	HDMI: 1920x1080 @120Hz	2

Modern Series with AMD Renoir Processor - 1/1



Notebook	Graphics	Video Output		External Display Output		Matrix Display (Incl. NB display)
		Type-C w/DP*1	HDMI	Max Resolution	Max Refresh Rate	
Modern 14 B4MW	UMA	-	1	HDMI: 3840x2160 @30Hz	HDMI: 1920x1080 @120Hz	2
Modern 14 B4M	UMA	-	1	HDMI: 3840x2160 @30Hz	HDMI: 1920x1080 @120Hz	2
Modern 15 A4M	UMA	1	1	HDMI: 3840x2160 @30Hz Type C DP-HDMI: 3840x2160 @60Hz Type C DP-DP: 3840x2160 @60Hz	HDMI: 1920x1080 @120Hz Type C DP-HDMI: 1920x1080 @240Hz Type C DP-DP: 1920x1080 @240Hz	3

*1: Type C USB port supports only data transmission and the display out, no Thunderbolt function.