

msi



Delta/Alpha/Bravo/Modern系列笔记本电脑

搭载AMD Dragon Range /Phoenix /Rembrandt /Cezanne /Barcelo /Lucienne /Renoir /Picasso处理器

影像讯号输出信息



1. 参考表格内外接屏幕输出字段中连接的输出接口及所支持的屏幕分辨率和画面更新率。
2. 影像讯号输出字段提供各输出接口数量。
3. 参考右表所列的缩写清单。

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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附注：欲取得其他系列机种外接屏幕输出信息，请参考[Knowledge Base_1661](#)。

Delta系列搭载AMD Cezanne处理器 - 1/1



笔电	显示卡	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔 电显示)
		Type-C w/DP	HDMI	最高分辨率	最高更新率	
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系列搭载 AMD Dragon Range处理器- 1/1



笔电	显示卡	讯号影像输出			外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
		Type-C w/DP	HDMI	mDP	最高分辨率	最高更新率	
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系列搭载AMD Cezanne处理器 - 1/1



笔电	显示卡	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
		Type-C w/DP	HDMI	最高分辨率	最高更新率	
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系列搭载AMD Renoir处理器 - 1/1



笔电	显示卡	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔 电显示)
		mDP	HDMI	最高分辨率	最高更新率	
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系列搭载AMD Picasso处理器 - 1/1



笔电	显示卡	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔 电显示)
		mDP	HDMI	最高分辨率	最高更新率	
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系列搭载AMD Phoenix处理器 – 1/2



笔电	显示卡	MUX Switch	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
			Type-C w/DP	HDMI	最高分辨率	最高更新率	
Bravo 15 C7VFKP	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 C7VFKP	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 D7VFKP	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系列搭载AMD Phoenix处理器 – 2/2



笔电	显示卡	MUX Switch	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
			Type-C w/DP	HDMI	最高分辨率	最高更新率	
Bravo 15 B7EDP	RX 6550M	X	1	1	HDMI: 7680x4320 @60Hz Type C DP-HDMI: 7680x4320 @60Hz Type C DP-DP: 5120x2160 @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系列搭载AMD Rembrandt处理器 - 1/5



笔电	显示卡	MUX Switch	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
			Type-C w/DP	HDMI	最高分辨率	最高更新率	
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 C7VFK	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 15 C7VEK	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系列搭载AMD Rembrandt处理器 - 2/5



笔电	显示卡	MUX Switch	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
			Type-C w/DP	HDMI	最高分辨率	最高更新率	
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系列搭载AMD Rembrandt处理器 - 3/5



笔电	显示卡	MUX Switch	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
			Type-C w/DP	HDMI	最高分辨率	最高更新率	
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 C7VFK	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 D7VF	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 D7VFK	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系列搭载AMD Rembrandt处理器 - 4/5



笔电	显示卡	MUX Switch	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
			Type-C w/DP	HDMI	最高分辨率	最高更新率	
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 17 C7VEK	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 17 D7VE	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 17 D7VEK	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系列搭载AMD Rembrandt处理器 - 5/5



笔电	显示卡	MUX Switch	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
			Type-C w/DP	HDMI	最高分辨率	最高更新率	
Bravo 17 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 17 D7UDXK	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系列搭载AMD Cezanne处理器 - 1/1



笔电	显卡	讯号影像输出	外接屏幕输出		Matrix Display iGPU dGPU (包含笔电 显示)
		HDMI	最高分辨率	最高更新率	
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系列搭载AMD Renoir处理器 - 1/1



笔电	显示卡	讯号影像输出	外接屏幕输出		Matrix Display iGPU dGPU (包含笔电 显示)
		HDMI	最高分辨率	最高更新率	
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系列搭载AMD Barcelo处理器- 1/1



笔电	显示卡	讯号影像输出	外接屏幕输出		Matrix Display iGPU dGPU (包含 笔电显示)
		HDMI	最高分辨率	最高更新率	
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系列搭载AMD Lucienne处理器 - 1/1



笔电	显示卡	讯号影像输出	外接屏幕输出		Matrix Display iGPU dGPU (包含 笔电显示)
		HDMI	最高分辨率	最高更新率	
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系列搭载AMD Renoir处理器 - 1/1



笔电	显示卡	讯号影像输出		外接屏幕输出		Matrix Display iGPU dGPU (包含笔电显示)
		Type-C w/DP	HDMI	最高分辨率	最高更新率	
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.