

## Specifications

### AAP® SuperPlate Series

#### Cable - USB-C

#### TRUE 4K Specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096x2160 at 60 Hz	4:4:4	8 bit
3840x2160 at 60 Hz	4:2:2	12 bit

Frame rate<sup>1</sup> ..... 24, 25, 30, 50, or 60 fps  
 Chroma sampling<sup>1</sup> ..... 4:4:4 or 4:2:2  
 Color bit depth<sup>1</sup> ..... 8, 10, or 12 bits per color  
 Signal type ..... up to DisplayPort 1.2 and HDCP 2.3  
 Max. video data rate ..... 21.6 Gbps (5.4 Gbps per lane)

#### Video

DisplayPort video ..... DisplayPort Alt Mode, DP 1.2 (1, 2, or 4 lanes)  
 Max. video data rate ..... 21.6 Gbps (5.4 Gbps per lane)  
 Resolution range ..... 640x480<sup>8</sup>, 480p<sup>7,2</sup>, 576p<sup>6</sup>, 720p<sup>3,4,5,6,7,8,9</sup>, 1080i<sup>6,7,8</sup>, 1080p<sup>1,2,3,4,5,6,7,8,9</sup>  
 2K<sup>1,2,3,4,5,6,7,8</sup>, 3840x2160<sup>12,3,4,5</sup>, 4096x2160<sup>1,2,3,4,5</sup>  
 Frame rate ..... <sup>1</sup>23.98 Hz, <sup>2</sup>24 Hz, <sup>3</sup>25 Hz, <sup>4</sup>29.97 Hz, <sup>5</sup>30 Hz, <sup>6</sup>50 Hz, <sup>7</sup>59.94 Hz, <sup>8</sup>60 Hz, <sup>9</sup>120 Hz  
 (depending on resolution)  
 Color space ..... 4:4:4 or 4:2:2  
 Color bit depth ..... 8, 10, and 12 bits per color (subject to maximum data rate)  
 Formats ..... RGB and YCbCr digital video

#### Data

USB specification ..... USB 3.2 (Gen 1), 2.0, 1.1 compatible  
 USB data rate ..... Up to 5 Gbps

#### Power

Maximum power supply ..... 60 watts  
 Maximum current ..... 3 A

#### Mechanical

Cable outer diameter ..... 0.23" (5.7 mm)

**NOTE:** <sup>1</sup>Subject to the maximum data rate limit. Use our calculator at [www.extron.com/8Kdata rate](http://www.extron.com/8Kdata rate) to determine video parameters supported by this data rate.

## Specifications • AAP® SuperPlate Series (Continued)

### Cable - Digital

#### TRUE 4K Specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096 x 2160 at 30 Hz	4:4:4	8 bit
3840 x 2160 at 30 Hz		
4096 x 2160 at 60 Hz	4:2:0	
3840 x 2160 at 60 Hz		

Frame rate<sup>1</sup> ..... 24, 25, 30, 50, or 60 fps

Chroma sampling<sup>1</sup> ..... 4:4:4, 4:2:2, or 4:2:0

Color bit depth<sup>1</sup> ..... 8 bits per color

Signal type ..... HDMI 1.4, DisplayPort 1.1a

Max. video data rate

HDMI ..... 10.2 Gbps (3.4 Gbps per color)

DisplayPort ..... 10.8 Gbps (2.7 Gbps per lane)

**NOTE:** <sup>1</sup>Subject to the maximum data rate limit. Use our calculator at [www.extron.com/8KdataRate](http://www.extron.com/8KdataRate) to determine video parameters supported by this data rate.

### General

Mounting ..... Mountable into optional AAP mounting frame

Enclosure type ..... Metal

Connector type ..... HDMI female to HDMI female  
VGA female to VGA female  
RJ-45 CAT 5e barrel  
DisplayPort female to DisplayPort female  
3.5 mm stereo audio jack to captive screw  
USB 2.0 Type A female to Type A female  
USB 3.2 Gen 1 Type A female to Type B female, reversible  
USB-C female to USB-C male

Connectivity - AAP SuperPlates								
	100	103	110	120	130	160	170	173
HDMI	1	1	1	1	2	1	1	1
VGA	1	1		1	1	1		
3.5 mm Audio	1	1	1	1	1	1		
DisplayPort			1	1				
USB 2.0	1		1				1	
USB 3.2 Gen 1		1						1
RJ-45 Barrel						1	1	1
USB-C							1	1

## Specifications • AAP® SuperPlate Series (Continued)

Cable Dimensions		
	Length*	Outer Diameter
<b>HDMI</b>	12.75" (324 mm)	0.24" (6.0 mm)
<b>VGA</b>	9.00" (228 mm)	0.24" (6.0 mm)
<b>3.5 mm Audio</b>	10.25" (260 mm)	0.17" (4.3 mm)
<b>DisplayPort</b>	13.30" (338 mm)	0.22" (5.7 mm)
<b>USB 2.0</b>	12.30" (312 mm)	0.18" (4.6 mm)
<b>USB 3.2 Gen 1</b>	12.90" (328 mm)	0.25" (6.4 mm)
<b>USB-C</b>	3' (914 mm)	0.23" (5.8 mm)

\*Length includes connector.

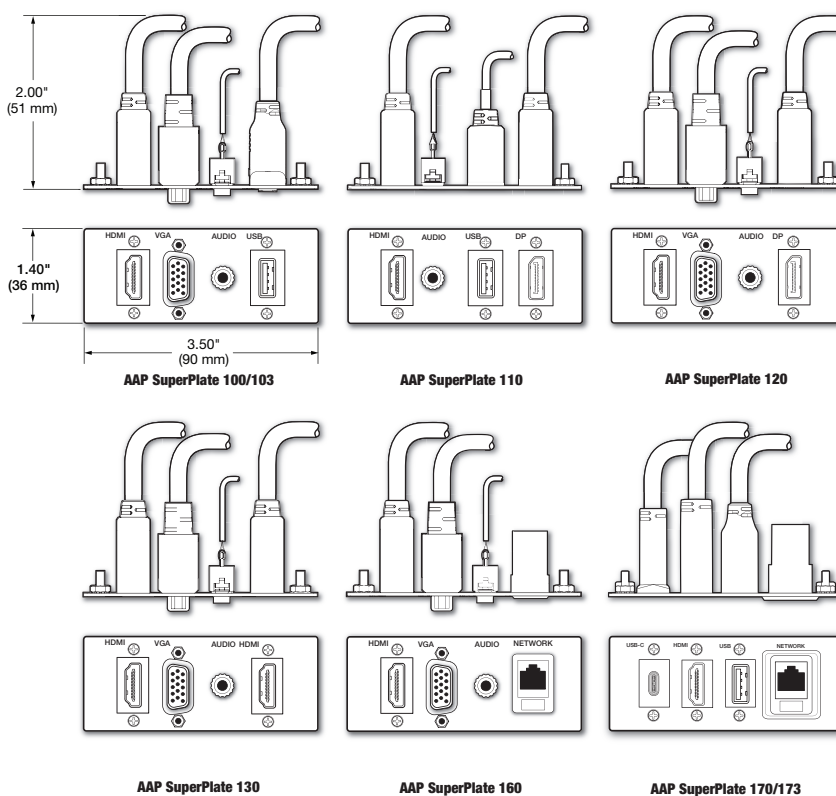
### USB data rates

USB 2.0 ..... High speed (up to 480 Mbps)

USB 3.2 Gen 1 ..... SuperSpeed (up to 5 Gbps)

USB-C ..... SuperSpeed (up to 5 Gbps)

Faceplate dimensions ..... 1.4" H x 3.5" W x 0.1" D (double space AAP plate)  
(35.6 mm H x 88.9 mm W x 2.5 mm D)  
Allow 2.0" (51 mm) depth for cable management.



**ATTENTION:** Do not bend cable beyond the recommended depth for cable management.

# Specifications • AAP® SuperPlate Series (Continued)

Product weight	
AAP SuperPlate 100.....	0.33 lb (0.15 kg)
AAP SuperPlate 103.....	0.35 lb (0.16 kg)
AAP SuperPlate 110.....	0.32 lb (0.14 kg)
AAP SuperPlate 120.....	0.32 lb (0.14 kg)
AAP SuperPlate 130.....	0.32 lb (0.14 kg)
AAP SuperPlate 160.....	0.32 lb (0.14 kg)
AAP SuperPlate 170.....	0.4 lb (0.18 kg)
AAP SuperPlate 173.....	0.4 lb (0.18 kg)
Regulatory compliance.....	ROHS, WEEE
Product warranty .....	3 years parts and labor

**NOTE:** Specifications are subject to change without notice.

**NOTE:** Shipping weights and dimensions are available at [www.extron.com](http://www.extron.com).

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