DisplayPort Signal Booster - DP Extender - 4K 60Hz

Product ID: DPBOOST



This DisplayPort signal booster lets you increase the signal strength of your DP video source using standard DisplayPort cables. You can achieve resolutions up to 4K at 60Hz, and depending on your desired resolution, the booster supports varying distances up to 65 ft. (20 m) away at 1080p 60Hz resolution. For inline installations, you can place the booster between two DisplayPort cables, up to 50 ft. in length at the video input, and up to 15 ft. in length at the video output.

When extending DisplayPort over long distances using standard video cabling, higher resolutions can become unavailable. Using the DP signal booster ensures that you can depend on UHD resolutions up to 4K at 60Hz at up to 22 ft. (7 m). You can achieve even greater distances with lower resolution support -- up to 4K at 30Hz, at up to 42 ft. (13 m), and 1080p at 60Hz at up to 65 ft. (20 m).

With its small form factor, the DisplayPort booster is easy to hide, for a discreet installation. By extending your video signal using standard DP cables, the DisplayPort booster is a cost-effective alternative to more expensive extension systems that require the installation of a CAT5 or CAT6 cabling infrastructure.

The booster makes it easy to adjust your DisplayPort signal strength based on the distance of your cables, with equalization adjustment buttons. This means that you can adjust the amplification of your DisplayPort signal, to ensure your DisplayPort signal will be flawless even at distances up to 65 ft. (20 m). Support for varying distances makes the booster perfect for multi-device deployment across large institutions, such as boardrooms in corporate offices, classrooms in schools, or waiting rooms in hospitals, as these applications may require varied distances in different rooms.

The DPBOOST is TAA compliant and backed by a 2-year StarTech.com warranty with free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Avoid the time and expense of running network cabling to extend video signals, using this booster with standard DisplayPort cables

• Boost the signal strength of your DisplayPort video signals for classroom, office or boardroom displays

Features

• Discreet installation with a small form factor

• Works at varying distances up to 65 ft. with a built-in equalization switch

• Astonishing picture quality with support for 4K (30Hz) at up to 42 ft. away from your video source

• Backward compatible with 1080p resolutions at up to 65 ft. away from your video source

• Supports 7.1 surround sound audio

Hardware

Warranty	2 Years
AV Input	DisplayPort
AV Output	DisplayPort
Cabling	DisplayPort
Audio	Yes
Rack-Mountable	Yes

Performance

Maximum Cable Length	65.6 ft [20 m]
Max Distance	20 m / 66 ft
Maximum Digital Resolutions	At 7 m Up to 4K at 60Hz At 13 m Up to 4K at 30Hz

		At 15m
		Up to 2560x1600 at 60Hz
		At 20 m
		Up to 1080p
	Supported Resolutions	3840x2160 (4K), 2560x1600, 1920x1200, 1920x1080 (1080p), 1280x720 (720p)
	Wide Screen Supported	Yes
	MTBF	87,600 hours
Connector(s)		
	Connector A	1 - DisplayPort (20 pin)
	Connector B	1 - DisplayPort (20 pin)
Indicators		
	LED Indicators	1 - status LED
Power		
	Power Source	AC Adapter Included
	Input Voltage	100 - 240 AC
	Input Current	0.3A
	Output Voltage	5 DC
	Output Current	1 A
	Center Tip Polarity	Positive
	Power Consumption (In Watts)	5
Environmental		
	Operating Temperature	0C to 40C (32F to 104F)
	Storage Temperature	-10C to 60C (14F to 140F)
	Humidity	0% ~ 80%
Physical Characteristics		

	Color	Black
	Product Length	3.1 in [80 mm]
	Product Width	2.0 in [50 mm]
	Product Height	0.8 in [2.1 cm]
	Weight of Product	5.4 oz [152 g]
Packaging Information		
	Package Quantity	1
	Package Length	6.6 in [16.8 cm]
	Package Width	5.6 in [14.2 cm]
	Package Height	2.8 in [70 mm]
	Shipping (Package) Weight	0.9 lb [0.4 kg]
What's in the Box		
	Included in Package	1 - DisplayPort signal booster
		1 - power adapter
		1 - USB power cable
		4 - rubber feet

Product appearance and specifications are subject to change without notice.