

DATASHEET

Type-C adapter to DisplayPort 1.2 adapter, 4K60Hz, black



General data

This USB-C to DisplayPort adapter from EFB-Elektronik meets the requirements for DisplayPort 1.2 and enables a maximum resolution of up to 4K@60Hz. It supports the 4K UHD (Ultra High Definition) video standard and is particularly well-suited for TVs, monitors, and smartphones. The USB standard is backward compatible and suitable for many devices. Thanks to a bandwidth of 21.6 Gbit/s, even very high-quality media can be transmitted effortlessly.

- Adapter: Male to female connector for easy access to the right connections
- Connections: USB Type-C to DisplayPort connects compatible devices
- Cable type: Active signal attenuation and loss

Product Benefits: Media playback becomes even more vibrant thanks to HDR, which transmits a wider color spectrum and finer nuances of brightness.

Product Description: PVC cable jacket. The USB Type-C connector, USB Type-C socket, and DisplayPort socket have an ABS connector housing to prevent damage.

Technical Details

- Connector 1: USB Type-C male and female (24-pin)
- Connector 2: DisplayPort socket (20-pin)
- Connector angle: 180° (straight)
- Maximum transfer rate: 21.6 Gbps

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- Supported technologies/protocols: HDR, Thunderbolt 3, DisplayPort Alternate Mode
- Contact material: Nickel-plated contact
- Signal type: Digital
- Cable diameter: 3.9 mm
- Jacket material: PVC
- Maximum mating cycles: 10,000
- With chip
- Brand: EFB-Elektronik

Scope of delivery

- 1 x USB-C to DisplayPort adapter

Technical properties	
3D	False
ARC	False
Backwards compatible	True
Bandwith	21.6 Gbit/s
Bending radius (dynamic/static)	39 mm
CEC	False
Cable set	False
Cable type (passive/active/optical)	active
Chip	True
Color depth	12-Bit
Compliant with	TV, Monitor, Smartphone, Tablet, Gaming monitor, Laptop
Compressions technologies	Dolby TrueHD
Connection type connection 1	Plug
Connection type connection 1b	Jack
Connection type connection 2	Jack
Connector 1 angulation	180°
Connector 2 angulation	180°
Contact Plating	nickel-plated
DSC	False
Dust cover	True
Enhanced Color	HighDynamicRange
HDMI Power	False
HDMI certified	False
HDR	HDR
HEC (Ethernet channel)	False
Halogenfree	No
Kink protection	True

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MSA	False
MST	False
Material Connector Housing	ABS
Material Inner Conductor	TC
Material jacket	PVC
Max. mating cycles	10000
Max. resolution	4K@60Hz
Model	Round Cable
Number of poles connection 1	24
Number of poles connection 1b	24
Number of poles connection 2	20
Number of shieldings	triple
Operating temperature	0 – 45 °C
PCIe Data transfer	False
Plug dimensions Side 1	25mm x 12.2mm x 6.4mm
Plug dimensions Side 2	41.85mm x 37mm x 14.5mm
Scope of delivery	1x USB-C to DP adapter
Shielded	True
Speed	21.6 Gbit/s
Supported protocols / functions	DP Alternate Mode
Supported video standards	4K UHD - Ultra High Definition
Temperature	-10 – 5560 °C
Tensile strength (short/long)	29,4 N
Thunderbolt compatible	Thunderbolt 3
Type of connector connection 1	USB Type-C
Type of connector connection 1b	USB-C
Type of connector connection 2	DP
Type of packaging	recycled plastic bag
Type of signal	Digital
VESA certified	False
VRR	False
Version	DP1.2
Warranty	12 months
With termination resistor	True
eARC	False

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Available variants

ArtNr.	Bezeichnung	Colour	Length	Diameter	AWG
EBUSBC-DP-4K60	Type-C adapter to DisplayPort 1.2 adapter, 4K60Hz, white	white	0.15 m	3.9 mm	34AWG
EBUSBC-DP-4K60-SW	Type-C adapter to DisplayPort 1.2 adapter, 4K60Hz, black	black	0.15 m	3.9 mm	34AWG

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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