

# Draco vario KVM extender DisplayPort



- Full DisplayPort 1.1 support
- High resolutions of 2560 x 2048 up to 4K
- DisplayPort embedded audio support
- Data transmission via Cat X, fiber or fiber XV
- Embedded mode for lower video resolutions

THE DRACO VARIO DISPLAYPORT KVM EXTENDER enables the transmission of high definition video and audio data over the cutting-edge DisplayPort interface. They are compatible with Draco tera KVM matrix switches and cross-compatible with the DVI and HDMI extender series for video and

USB-HID extension. Transmission of fully-digital video signals (including 3D video in full-HD) is supported in 4K resolutions up to 4096 x 2160 and 3840 x 2160. The DisplayPort extender supports all regular digital audio standards. This eliminates the need for additional audio

modules, enabling playback of the audio signal through monitors with integrated loudspeakers. Integration of optional upgrade modules for digital audio input and output is also possible. The DisplayPort extenders are available in single and redundant path variants.

## Product Features

- The standard version allows operation of a remote workstation with a DisplayPort monitor and USB HID devices (such as a keyboard and mouse)
- All devices with redundant data link available
- Transmission of fully-digital video signals up to 4K (4096 x 2160) and Ultra HD
- The interface is 3D compatible, side-by-side and top-and-bottom 3D formats can be transmitted
- Simple keyboard commands (hot keys) for transmission of remotely connected monitors' DDC information; including permanent storage at the CPU Unit
- Embedded mode for lower video resolutions allows instant switching via Draco tera
- The audio format PCM can be transferred via the DisplayPort 1.1 interface (up to 96 kHz)
- Compatibility:
  - with all major operating systems
  - with all Draco vario and Draco compact extenders
  - with all modules of the Draco vario extenders (series 474)
  - with all chassis of the Draco vario 474 series extenders
  - with all IHSE Draco KVM matrix switches

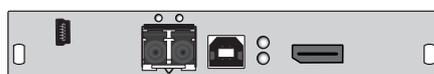
## Graphics



L483-BPHC



R483-BPHC



L483-BPHS/BPHX



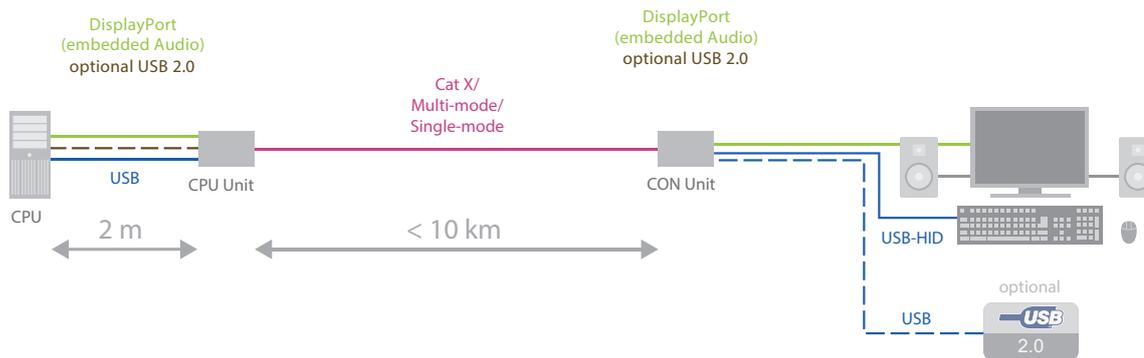
R483-BPHS/BPHX

All devices also with redundant data link available



**Technical Data**

Input Interface	DisplayPort 1.1	
Output Interface	DisplayPort 1.1	
Video Resolution (max.)	2560 x 2048 @ 60 Hz (24 bit) - Dual Link 3840 x 2160 @ 30 Hz (24 bit) - Ultra HD 4096 x 2160 @ 30 Hz (24 bit) - 4K	
Audio (embedded)	Stereo Linear Pulse Code Modulation (LPCM), 2-channel PCM	
Keyboard / Mouse	USB-HID	
Optional Interfaces	USB 2.0 (High-Speed or Full-Speed), analog audio with RS232 or RS422, digital audio, PS/2	
Distance (max.)	Cat X	140 m
	Single-mode fiber (9 $\mu$ )	10.000 m
	Single-mode fiber XV (9 $\mu$ )	5.000 m
	Multi-mode fiber (50 $\mu$ , OM3)	1.000 m
	Multi-mode fiber (50 $\mu$ )	400 m
	Multi-mode fiber (62.5 $\mu$ )	200 m
Power Supply	International power supply unit ( 90-240V Input)	

**Functional Diagram****General Advantages of Draco KVM extenders**

In many areas and industries computers have to be removed from working environments to enable greater workflow efficiency. Extenders allow separating computers from the input and output devices like keyboard, mouse and monitors.

To avoid losses in quality you will need an extender that works like a booster – maintaining fidelity and clarity of the signals and the video. This task can be realized by the use of regular Cat X network cables. For mission critical applications it is also possible to apply optical fiber cables.

**Why does it make sense to remotely locate a CPU?**

- Protection against dust, moisture and vibrations
- Prevention of theft and unauthorized CPU access
- Simplified maintenance, configuration and administration of multiple user computers at a central point
- Centralized installation of software updates (particularly simple in combination with a KVM switch)
- Air conditioning of CPUs increases life cycles and ensures constant performance
- Pleasant working environment by enhancing space and reducing noise and heat pollution caused by powerful computers
- Reduction of energy consumption