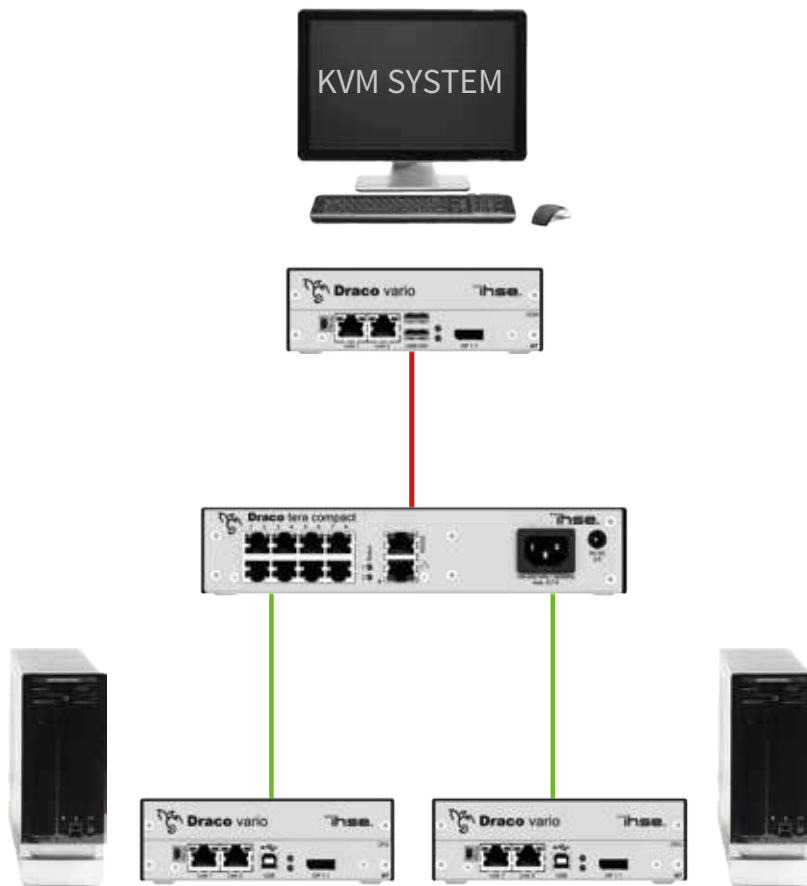


Draco vario extenders let you place a keyboard, monitor, mouse, speakers and USB 2.0 devices long distances from your computer(s) or IHSE KVM matrix.

- Multiple product variants
- Four chassis sizes
- Redundant power supply
- Free customization
- Integrated switch and extender



**Product Information**

IHSE offers a wide range of pre-configured models for the vario line of extenders.

Start with the basic 2-bay enclosure, select a part number corresponding to the video format requirement (DVI, HDMI, DisplayPort, DVI-I/VGA), with or without options. Each unit includes USB-HID for keyboard and mouse operations.

Options include analog audio, digital audio, RS232, RS422 and USB 2.0. All units are available in either twisted pair (Cat X) or fiber optic interconnects. Units include an external or internal power supply.

The Draco vario extender family is designed around a modular concept that lets you build an extender system to fit your specific needs. Enclosure frames are available in 2 bay, 4 bay, 6 bay and 21 bay units. Frame options include redundant power and rack mount kits. All Draco vario (474, 481, 482, 483, 486, 488) and Draco vario ultra (490, 491, 492, 493, 494, 495) models can be fitted to these frame styles. Main board options include DVI-D, DVI-I (VGA), HDMI, DisplayPort as well as Dual-Head or Dual Link DVI. Add-on modules include a wide range of features and flexibility to

support practically any combination of video and data transports.

Select add-on modules to support USB 2.0, digital audio, analog audio, RS232 or RS422. IHSE offers the Design Your Own Device (DYOD) configuration software to make it easy to build the system you need. All main modules support USB-HID for keyboard and mouse operations and are available in either Cat X or fiber option interconnects. Simple keyboard commands (hot keys) for transmission of remotely connected monitors' EDID information.

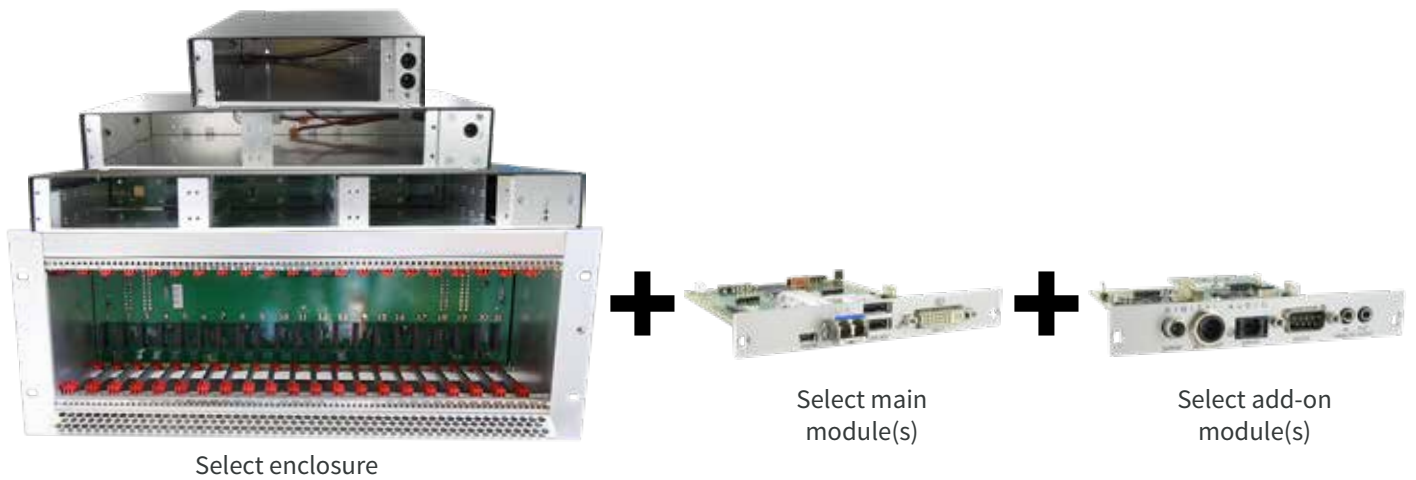


**Why does it make sense to remotely locate a CPU?**

- 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

**Modular Units**

Custom built assemblies



**Base Units**

Standard part numbers





- Resolutions up to 2560 x 2048 and 4K@30Hz
- DMS-59 adapter included
- Dual-Head for 2 DVI Single Link monitors
- Option for redundant path interconnects
- Data transmission via Cat X or fiber

**Product Information**

The Draco vario Dual-Head KVM extender enables the connection of two DVI monitors over a single Cat X or fiber cable, saving the expense of a second extender and reducing cabling cost and installation effort. When used in conjunction with KVM matrix systems, the Draco vario Dual-Head KVM extender saves valuable matrix ports.

It's sister product, the Draco vario Dual Link KVM extender, enables the transmission of DVI signals to one single monitor up to 4K@30Hz resolution. Extension of signals requires a single data cable. The extenders are compatible with regular Single-Head/Single Link extenders: Consoles can access Single-Head/Single Link

CPU Units instantaneously. In this situation, signals from Single-Head/Single Link sources are embedded within the Dual Link signal format and can be switched with no discernible switching delay. Single-Head/Single Link images are displayed at their own native resolution within a blanked frame.

**Product Features**






















- Excellent image quality at all resolutions
- Compatible with all major operating systems
- Compatible with all IHSE Draco KVM switches
- Only one KVM matrix port per unit required
- Wide range of additional options:
  - Two USB ports for HID devices
  - USB 2.0 embedded
  - Serial interface (RS232 or RS422)
  - Analog audio
  - Digital audio
  - DVI-D
- Redundant interconnect link
- 19" rack mount kit available
- All devices with redundant power supply (load-sharing) available

TECHNICAL DATA	
Input	DMS-59 (DVI-D Dual-Head/Single Link adapter) DMS-59 (DVI-D Dual Link adapter)
Output	DMS-59 (DVI-D Dual-Head/Single Link adapter) DMS-59 (DVI-D Dual Link adapter)
Data rates (max.)	2 x 165 MPixel/s (Dual-Head) 330 MPixel/s (Dual Link)
Maximum Resolution	Draco vario Dual-Head: 2 x 1920 x 1200 @ 60 Hz Draco vario Dual Link: 2560 x 2048 @ 60 Hz 4096 x 2160 @ 30 Hz (4K30)
Color Depth	8 bit / True Color
Maximum Cable Distance	Cat X 140 m Single-mode XV (9 μ) 5 km Single-mode (9 μ) 10 km
Optional Interfaces	USB 2.0, analog audio with RS232, digital audio, PS/2, etc.
Keyboard/Mouse	USB-HID

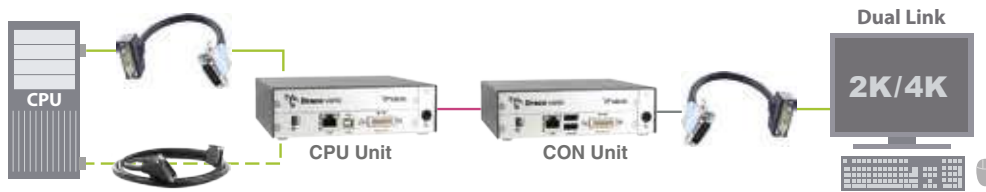
Draco vario Dual Link Main Modules

- DMS-59 port for 1 x DVI-D Dual Link
- Resolutions up to 4096 x 2160 (4K30)

Order Numbers

FUNCTIONS	CPU UNIT (LOCAL)	PART NO.	CON UNIT (REMOTE)	PART NO.
 		 L482-BDHC  L482-BDHS  L482-BDHX		 R482-BDHC  R482-BDHS  R482-BDHX
  		 L482-BDHC  L482-BDHSR  L482-BDHXR		 R482-BDHC  R482-BDHSR  R482-BDHXR

Functional Diagram
























Optional cable:  
DMS-59 > DVI-D Dual Link  
(see accessories on page 48)

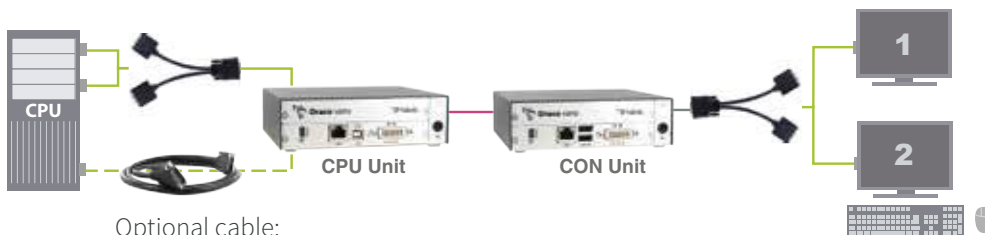
Draco vario Dual-Head Main Modules

- DMS-59 port for 2 x DVI-D Single Link
- Resolutions up to 2 x 1920 x 1200

Order Numbers

FUNCTIONS	CPU UNIT (LOCAL)	PART NO.	CON UNIT (REMOTE)	PART NO.
 		 L482-B2HC  L482-B2HS  L482-B2HX		 R482-B2HC  R482-B2HS  R482-B2HX
  		 L482-B2HC  L482-B2HSR  L482-B2HXR		 R482-B2HC  R482-B2HSR  R482-B2HXR

Functional Diagram



Optional cable:  
DMS-59 > DVI-D 2x  
(see accessories on page 48)