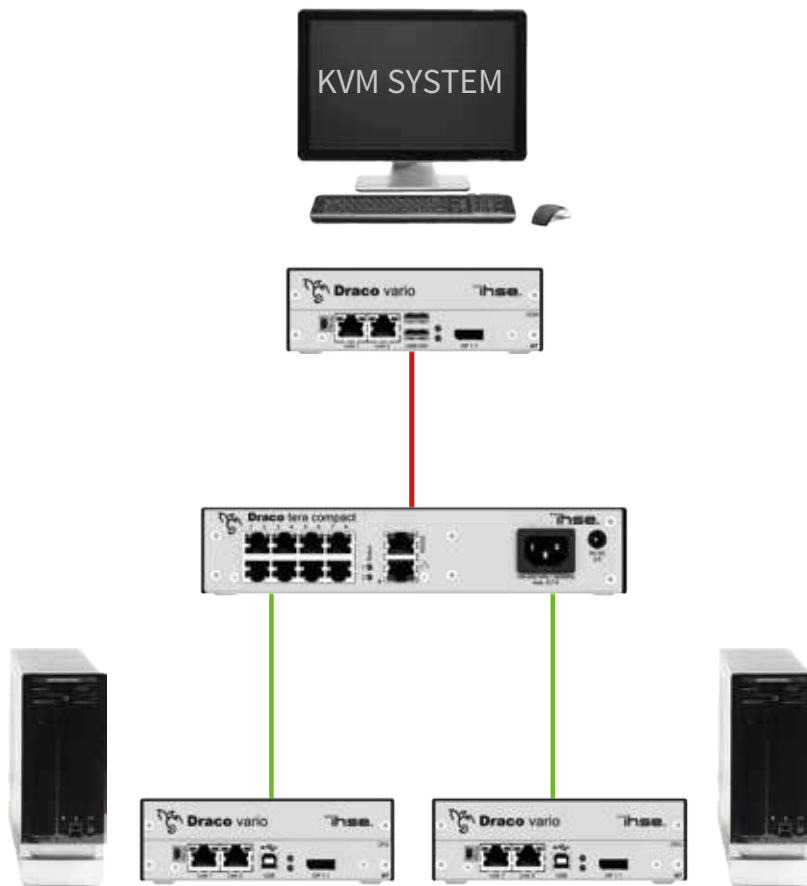Draco vario extenders let you place a keyboard, monitor, mouse, speakers and USB 2.0 devices long distances from your computer(s) or IHSE KVM matrix.

- 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.
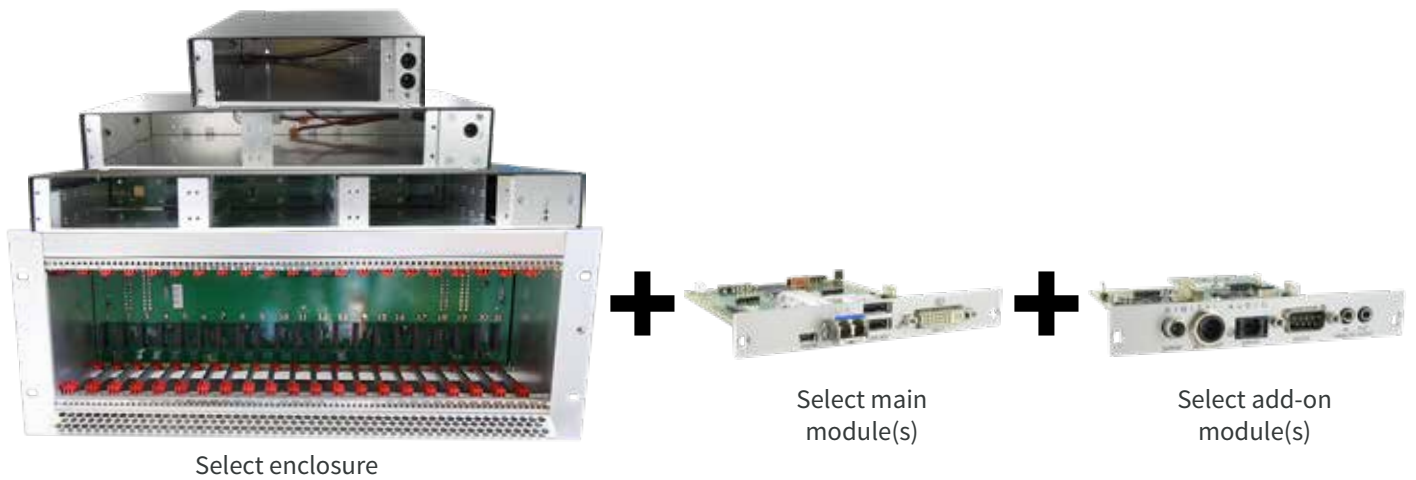
Why does it make sense to remotely locate a CPU?

- 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

Select enclosure + Select main module(s) + Select add-on module(s)

Base Units

Standard part numbers

- HDMI 1.3 interface
- Perfect digital video quality
- Embedded digital audio
- Compatible with all Draco devices
- Optional local output in CPU Unit
- Optional local KVM switch in CON Unit

Product Information

The Draco vario HDMI is the perfect extender for high resolution HDMI video signals of superior quality, including 3D formats and digital audio. Multi-Head applications are achieved using an optional module. The Draco vario HDMI extender is ideal for broadcast applications as well as professional audio and video editing. Use the Draco vario HDMI extender to transmit your audio and video data to the highest resolutions, including Full HD and 2K.
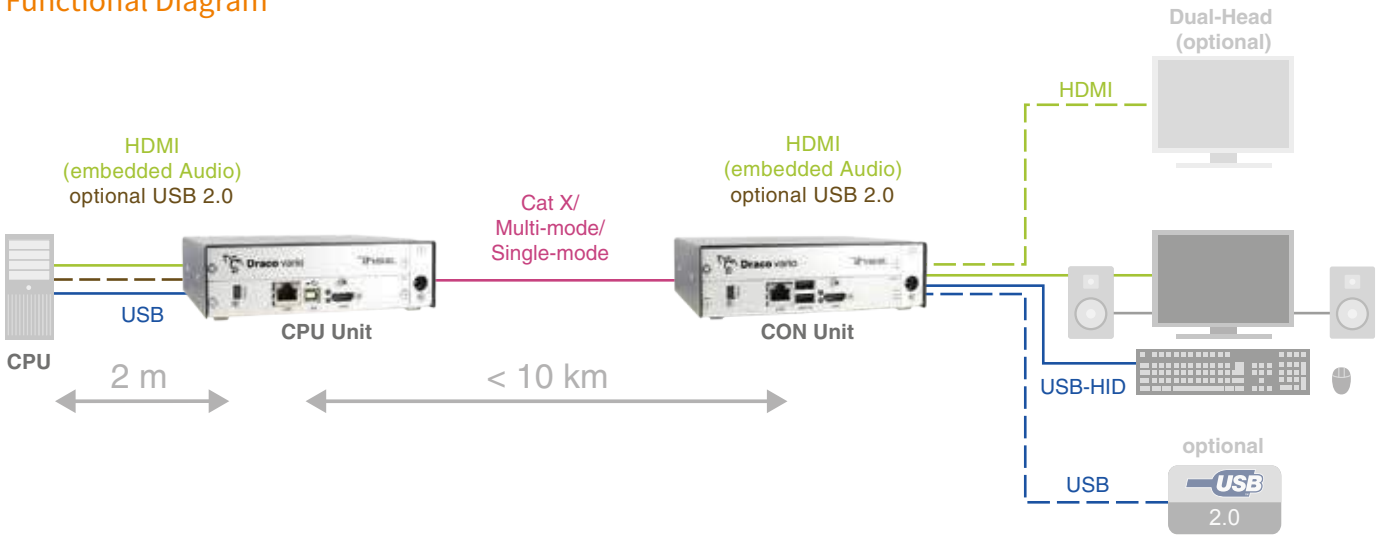
Product Features

- Lockable HDMI port
- High resolution video can be transmitted via HDMI interface
- The interface is compatible with 3D technology. Side-by-Side and Top-and-Bottom formats can be transmitted
- The standard version allows operation of a remote workstation with a HDMI/DVI-D monitor and two USB-HID devices (such as a keyboard and mouse)
- Compatible with all major operating systems
- Compatible with all IHSE Draco KVM switches, Draco vario and compact extenders, Draco vario chassis and modules
- HDMI embedded audio is cross compatible with digital audio add-on modules
- Redundant data link
- Fits into one 19"/1U rack

TECHNICAL DATA	
Input	HDMI 1.3 with embedded audio
Output	HDMI 1.3 with embedded audio
Serial RS232/ RS422	Up to 115,200 baud
Analog audio	Bidirectional stereo audio connection, 24 bit, 38.4 kHz
Digital audio	Compatible with AES/EBU, S/PDIF, Dolby Digital, DTS, PCM, 32-96 kHz
USB Data	USB-HID (for keyboard and mouse) USB 2.0 embedded up to 50 Mbit/s USB 2.0 Hi-Speed up to 480 Mbit/s
Maximum Resolution	1920 x 1200 @ 60 Hz
Color Depth	8 bit / True Color
Maximum Cable Distance	Cat X 140 m Multi-mode 1 km Single-mode 10 km

Additional Options

- CPU Unit with local output for connecting an HDMI monitor (Local Access)
- CON Unit with switchable HDMI and USB-HID inputs (local KVM switch) for a local source (computer, CPU)
- Optional bidirectional analog audio and RS232, RS422 support or digital audio with cinch/TOSLINK/mini-XLR connectors for professional audio applications
- Transparent USB 2.0 support for USB devices including printers, scanners, hard drives, memory sticks, audio devices, etc.

Functional Diagram

Order Numbers

FUNCTIONS	CPU UNIT (LOCAL)	PART NO.	CON UNIT (REMOTE)	PART NO.
HDMI / HID		L481-BHHC L481-BHHS		R481-BHHC R481-BHHS
HDMI / HID / Redundant		L481-BHHCR L481-BHHSR		R481-BHHCR R481-BHHSR
HDMI / Local Video / HID	With integrated Local-Video-Access	L481-BHHCL L481-BHHSL		
HDMI / Local Video / HID / Redundant	With integrated Local-Video-Access	L481-BHHCLR L481-BHHSLR		
HDMI / KVM Switch / HID			KVM switch functionality included	R481-BHHCW R481-BHHSW
HDMI / KVM Switch / HID / Redundant			KVM switch functionality included	R481-BHHCWR R481-BHHSWR
HDMI		L481-BHXC L481-BHXS		R481-BHXC R481-BHXS

These modules cannot be combined with add-on modules. No USB-HID support available.