

DRACO DISPLAYPORT KVM SWITCH



- DisplayPort with DDC/CI support
- Space-efficient: compact design 1RU
- Variable, expandable, redundant PSUs, (MultiHead, GPIO, SNMP)
- Up to 4K60 resolutions
- With built-in extender option
- Flexible configurations: hot-expand, hot-swap, remote monitor and control

PRODUCT DESCRIPTION

Application Scenarios

The DisplayPort KVM Switch DPS41 allows for homogeneous combinations of extension and simple desktop switching mainly for visualization scenarios in air traffic control and air traffic management (ATC & ATM) and also for other alike applications, including 4:1 SingleHead, DualHead, TripleHead and QuadHead.

Space-efficient & Modulars

Even with MultiHead, the new Draco DisplayPort KVM Switch fits in 1RU and offers built-in extender options.

Audio Features

The DP KVM Switch supports embedded digital audio with each DP interface. For analog stereo audio line-out, the DPS41 module provides a 3.5 mm jack.

Expandability & Variability

Using the Backplane powered chassis with IP Management interface, customization and hot-plugable and hot-swappable multi-head versions can easily be configured. Basis for all custom configurations is the USB-Switch module for keyboard, mouse and USB2.0 connectivity.

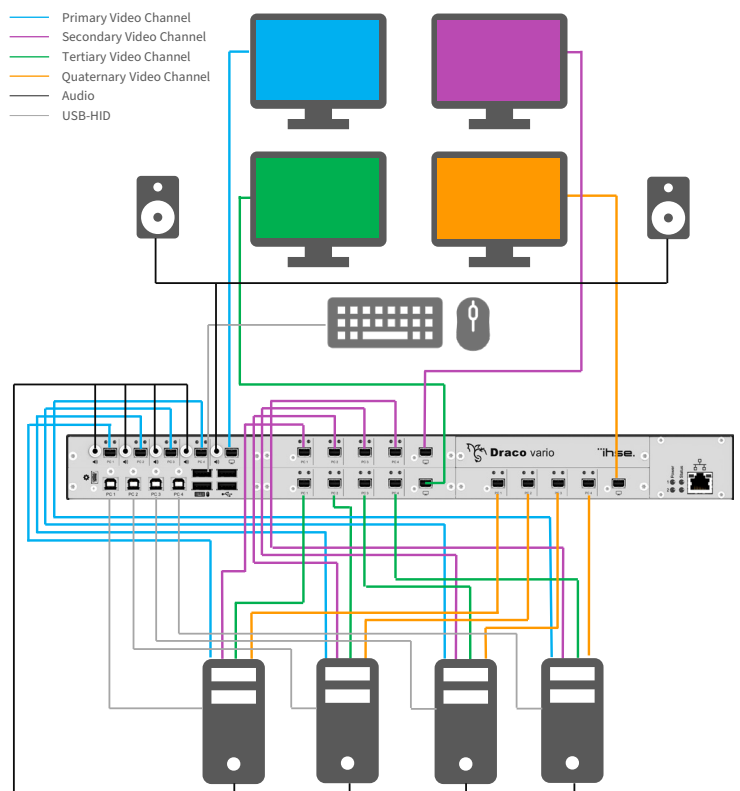
Dry contact switching module and video switch modules can then be added as required. Also extender modules can be added for space-saving designs in just 1 RU.

PRODUCT FEATURES

- Input: 4x Mini DP; Output: 1x Mini DP per video head
- Control up to 4 PCs with single mouse and keyboard
- Video signals can be switched between the sources
- Supporting DP video signals up to 4K60 resolution
- Expandable from single head up to 5 video heads
- Switching via API, Hotkey, mouse control and optional push button control with GPIO
- USB 2.0 support
- Compact (1RU) design for the workspace
- Variable / modular concept with redundant PSU, expandable (MultiHead, GPIO, SNMP)
- Ergonomic hot-mouse switching of channels
- Audio support: Board without audio interface supports all audio standards within DP
- Board with audio interface supports additional unbalanced analog audio
- Combinable with extenders/matrix systems (series 483 SH / DH and 490)
- Flexible configurations allowing hot-expand and hot-swap
- Optional equipment: DP and USB cables can be ordered separately

FUNCTIONAL DIAGRAM

Custom configuration in 474-BODY6BP-SNMP






TECHNICAL DATA

	DPS41-B	DPS41-A-B
Input	4x Mini-DP	4x Mini-DP 4x 3.5 mm audio jack
Output	1x Mini-DP, max. 4K60/5120 x 1440 @ 60 Hz	1x Mini-DP, max. 4K60/5120 x 1440 @ 60Hz 1x audio (3.5 mm analog)
Audio	Synchronized switching, embedded digital / analog	
Maximum resolution	Up to 4096 x 2160 @ 60 Hz (4K DCI) or 3840 x 2160 @ 60Hz (UHD), color depth 8 bit (4:4:4)	
Keyboard / mouse	USB-HID	
Optional interfaces	USB-HID, USB 2.0 (max. 480 Mbit/s), Mini-USB, GPIO, RJ45 (interconnect), 3.5 mm Audio interface (analog)	
Power supply	depends on selected chassis	
Current draw	depends on selected chassis	
Operating temperature	0 to 45 °C (41 to 113 °F)	
Storage temperature	-25 to 60 °C (-13 to 140 °F)	
Relative Humidity	Max. 80 % non-condensing	
Operating Altitude	Max. 2,500 m (7,500 ft)	
Dimensions	Depends on chassis	
Weight	Depends on chassis	

ORDER NUMBERS

DRACO DP SWITCH BOARD FOR CUSTOMIZED VARIANTS	PART NO.
Draco vario U-Switch module 4x USB-HID, USB 2.0 (mandatory)	B476-4U4T
Draco vario DisplayPort KVM Switch Board without audio	DPS41-B
Draco vario DisplayPort KVM Switch Board with audio	DPS41-A-B
Draco vario CON add-on module with 8x GPIO	R474-BGX
Slide-In chassis for 2 modules with backplane, integrated IP management	474-BODY2BPF-SNMP
Slide-In chassis for 6 modules with backplane, integrated IP management	474-BODY6BP-SNMP

EXAMPLES FOR CUSTOMIZED CONFIGURATIONS - HOT-EXPAND, HOT-SWAP, REMOTE MONITOR AND CONTROL

DisplayPort KVMA Switch - SingleHead 474-BODY2BPF-SNMP + B476-4U4T + DPS41A-B	
DisplayPort KVMA Switch - DualHead 474-BODY6BP-SNMP + B476-4U4T + 1x DPS41A-B + 1x DPS41-B	
DisplayPort KVMA Switch - TripleHead 474-BODY6BP-SNMP + B476-4U4T + 1x DPS41A-B + 2x DPS41-B	
DisplayPort KVMA Switch - QuadHead 474-BODY6BP-SNMP + B476-4U4T + 1x DPS41A-B + 3x DPS41-B	