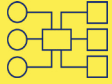


A BIG ADVANTAGE FOR SMALL INSTALLATIONS: THE NEW CONTROLCENTER-IP-XS



The ControlCenter-IP-XS is a smaller version of the ControlCenter-IP. The central module for KVM-over-IP installations impresses with its compact design and fast switching times.

Operating principle

The ControlCenter-IP-XS is a smaller alternative to the ControlCenter-IP. Compared to the ControlCenter-IP, it is not possible to increase the end device limit of 20 for the ControlCenter-IP-XS. The basic KVM-over-IP solution is therefore best suited for smaller installations.

To turn the KVM-over-IP extenders into a powerful matrix, the ControlCenter-IP-XS is also integrated into the network structure. It takes over the central system logic within the KVM-over-IP installation.

As matrix system, the ControlCenter-IP-XS enables the independent operation of several computers via several consoles. Switching between channels takes place without any delay.

User-friendly and compatible

G&D has taken the features of the classic ControlCenter series and integrated them into the KVM-over-IP matrix. This also includes basic administration including an extensive user and rights management. The device also comes with many helpful control room features such as monitoring, scenario switching, push-get for optimal collaboration and the integration of video walls, and CrossDisplay-Switching for absolutely intuitive operation of multi-monitor workstations.

The ControlCenter-IP-XS is compatible with all KVM-over-IP extenders from G&D.

Security first

Since the device does not use dedicated cabling and is operated via network, secure transmission plays a very important role. For this reason, we have developed various security mechanisms to further increase security in critical environments.

All communication and data transmission via the ControlCenter-IP-XS is encrypted, guaranteeing a high level of security in critical environments.

The ControlCenter-IP-XS or the end components based on KVM-over-IP extenders only access the standard interfaces of the computers and thus do not require any software installation. Transmission itself is permanently encrypted with AES-128.

Trusted Platform Module (TPM)

Boot loader, operating system and firmware of the ControlCenter-IP-XS form a trusted computing platform to protect the system against third-party manipulations. An integrated „Trusted Platform Module“ (TPM hardware module) with an RSA encryption method and a key length of 2048 bits secures all access and configuration data against exposure.

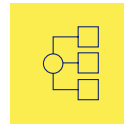
Sensitive information such as login data and passwords are stored with permanent encryption. Potential firmware modifications can be detected at an early stage and lead to a cancellation of the booting process. This prevents manipulation attempts such as the installation of keyboard sniffers.

INTEGRATED IP-MUX FUNCTIONALITY: THE NEW VISIONXS-IP EXTENDER

The IP extenders of the new VisionXS series include an “IP-MUX” feature, allowing them to manage up to 20 target IP addresses without having to use any additional hardware. This makes it possible to operate up to 20 computers from one console.

However, unlike with the use of a KVM-over-IP matrix switch, the switching process is not seamless. A console module can only be connected to one computer module at a time. The connection between the console module and the respective computer module is re-established when switching between channels.

With a stand-alone extender solution, useful matrix features, such as the TS and push-get functions, are not available. Switching is much more convenient and faster with an additional KVM-over-IP matrix system.



SWITCHING OPTIONS IN KVM-OVER-IP ENVIRONMENTS – OVERVIEW & COMPARISON

	ControlCenter-IP-XS	ControlCenter-IP 2.0	VisionXS-IP-CON with IP-MUX functionality
Interfaces			
Network:	1 x RJ45 socket	2 x RJ45 socket	1 x RJ45 socket
Support:	1 x micro-USB socket (type B)	1 x mini-USB socket (type B)	1 x micro-USB socket (type B)
Network configuration			
Integrated DHCP server	yes	yes	-
Power supply			
Main power supply	external power supply	internal power pack	external power supply
Redundant power supply:	-	internal power pack	-
Housing			
Dimensions (W x H x D):	109 x 30.5 x 184 mm	435 x 44 x 210 mm	various variants
Weight:	approx. 0.6 kg	approx. 2.2 kg	
Options for expansions			
Feature to increase the limit of end devices	-	yes	-
Maximum no. of end devices	20	over 2,000	20
MatrixGuard feature	-	yes	-
TS function and CrossDisplay-Switching	yes	yes	*
Push-Get function	yes	yes	*
IP-Control-API and scenario switching	yes	yes	*

* only in combination with KVM-over-IP matrix system

ARTICLE OVERVIEW

KVM-over-IP matrix systems		
A2300140	ControlCenter-IP-XS	KVM-over-IP matrix switch XS including license for 20 end devices
A2300129	ControlCenter-IP 2.0	KVM-over-IP matrix switch including license for 20 end devices
External power supply (for ControlCenter-IP-XS)		
A4110013	Power-Set 12-Typ 3	External power pack 12 V / 24 W
A4110052	MultiPower-12-HP	Central high-power power supply for up to 12 12 V devices
Mounting set (for ControlCenter-IP-XS)		
A7000060	Table-Mount-Set VXS small 184x32,8mm	Mounting solutions for under-desk mounting
Software features (for ControlCenter-IP-XS and ControlCenter-IP 2.0)		
A8200033	IP-Control-API ControlCenter-IP	Software feature for ControlCenter-IP systems for external access via a TCP/IP connection
A8200034	Push-Get-Function ControlCenter-IP	Software feature for ControlCenter-IP systems, Moving/getting screen content via OSD
A8200035	TS-Function ControlCenter-IP	Software feature for ControlCenter-IP systems, using keyboard and mouse to switch to other consoles
Software features (for ControlCenter-IP 2.0 only)		
A8200042	MatrixGuard Function	Software feature for ControlCenter-IP systems and maximum security
Features to increase the limit of end devices (for ControlCenter-IP 2.0 only)		
A8200036	ControlCenter-IP-UPG-10	10 ControlCenter-IP licenses for the use of Vision-IP-/VisionXS-IP devices in matrix mode
A8200037	ControlCenter-IP-UPG-50	50 ControlCenter-IP licenses for the use of Vision-IP-/VisionXS-IP devices in matrix mode
A8200038	ControlCenter-IP-UPG-100	100 ControlCenter-IP licenses for the use of Vision-IP-/VisionXS-IP devices in matrix mode
A8200039	ControlCenter-IP-UPG-200	200 ControlCenter-IP licenses for the use of Vision-IP-/VisionXS-IP devices in matrix mode
A8200040	ControlCenter-IP-UPG-500	500 ControlCenter-IP licenses for the use of Vision-IP-/VisionXS-IP devices in matrix mode

We offer numerous variants of VisionXS-IP extender systems for your individual requirements.

How may we help you? Qualified service in all areas is just as important as the comprehensive consulting by our sales team.

We consider this to be part of the basis of a successful partnership. Find our contact data under <https://www.gdsys.com/support/>.