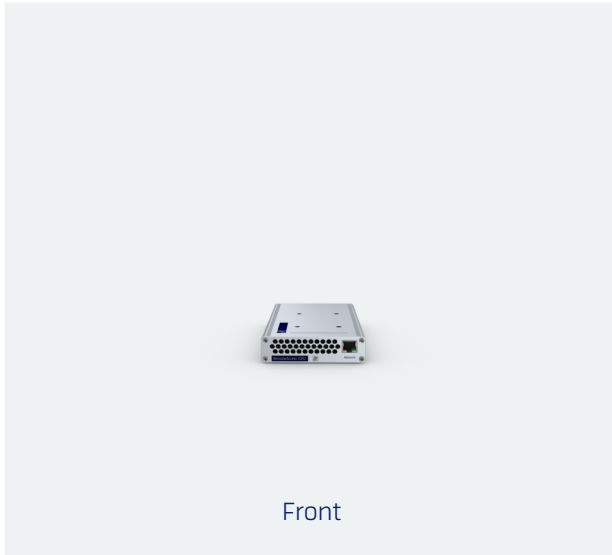
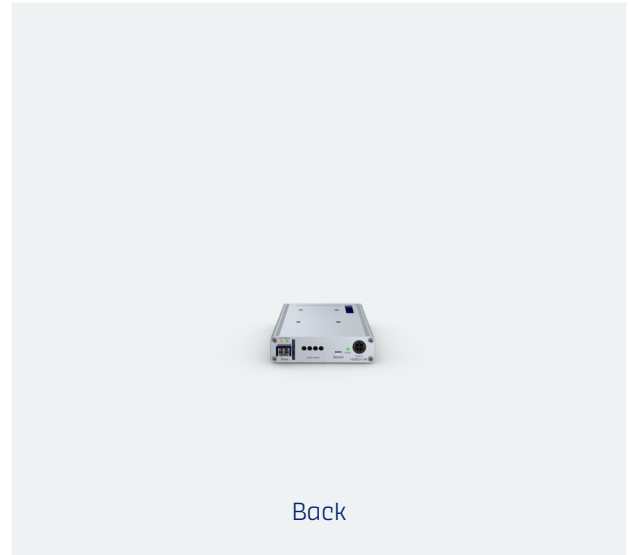


REMOTEACCESS-IP-CPU-FIBER(S)-UG BASIC

KVM matrix systems, Article number A2320385



Front



Back

With the RemoteAccess-IP-CPU, you can integrate virtual machines into your KVM matrix installation and benefit from hands-on KVM functions, even in hybrid systems. Since cloud computing and virtualization are becoming increasingly important, we will see more hybrid infrastructures in the future. But how can you link such hybrid structures as flexibly as possible? How do you standardize their use so that operators can handle them easily, efficiently and in line with their needs? The RemoteAccess-IP-CPU provides the answers to these questions.

DETAILS

VIDEO

- Compressed, pixel perfect, ideal hand-eye coordination
- Resolution up to 2560 × 1600 @ 60 Hz

SIGNALS

- Embedded stereo audio (Digital, 2 channel LPCM)
- GenericUSB support for USB class HID (Human Interface Device).
- The product allows the simultaneous use of up to four GenericUSB devices via a console module. For this, both the used console module and the used computer module must support the use of up to four GenericUSB devices.

TRANSMISSION

- Supported network protocols:
 - RDP
 - VNC
 - SSH
 - additional via streaming feature (see extensions)
- KVM-over-IP™ over IP-based networks (layer 3)
- The transmission distance between two active network components is up to 10,000 meters over fiber singlemode optics, incl. transmission module(s)/SFP transceiver(s)

DEVICE

- PowerPack not included in the scope of delivery for Basic variants

WARRANTY

- A 3-year, free of charge product guarantee
- For an additional fee guarantee extension/guarantee renewal possible

FEATURES

DEVICE

- Thin client functionality exactly tailored to a G&D matrix:
The device is equipped with a powerful, reliable industrial board and offers a platform with integrated thin client functionality. Therefore, you don't need a separate thin client.

OPERATION FEATURES

- Configuration and update via the multilingual HTML5 web interface "Config Panel 21" (Java-free)
- Integration of any number of virtual sources into the KVM matrix including automatised logins (single sign on via matrix OSD)
- Operation (switching between channels, push-get, etc.) via on-screen display
- Selection of virtual and physical sources within the matrix environment via on-screen display's select menu (target list)
- Multi user access: Via G&D's KVM system, multiple operators can use the same RemoteAccess-IP-CPU to simultaneously connect and operate the same virtual machine.

EXTENSIONS

TRANSMISSION

- The streaming feature allows you to access various streaming sources. The following sources can be streamed: H.264 video streams, VP8 and VP9 video streams, MPGA audio streams, MP3 audio streams and AC3 audio streams.

DEVICE

- External power supply via external 12V power pack or G&D-MultiPower, providing a central and redundant power supply

SECURITY FEATURES

- SecureCert feature – premium software feature that ensures compliance with the strict security standards FIPS 140-3, DoDIN APL, and CC EAL2+
 - Federal Information Processing Standard (FIPS) 140-3 is a U.S. government standard designed to protect sensitive and valuable data in IT systems. It defines security requirements for cryptographic modules and provides a secure framework for cryptographic operations in IT infrastructures
 - The Department of Defense Information Network Approved Products List (DoDIN APL) is a consolidated list of products approved for use in the technology infrastructure of U.S. government agencies. To be listed, products must meet specific requirements within defined categories, including technical, functional, and security-related criteria
 - Common Criteria (CC) is an internationally recognized standard for evaluating and certifying the security of IT products. It ensures that products meet defined security requirements and are protected against identified threats. Certification is granted at Evaluation Assurance Level (EAL) 2+, an internationally acknowledged level that guarantees a fundamental and reliable security assessment

TECHNICAL DATA

General	Product group	RemoteAccess KVM matrix systems
Transmission	KVM-over-IP™ Transmission	yes
	Range	10000 m (9/125µm, OS1)
	Laser class	Class 1
	Type of interface	LC-Duplex
	Wavelength	1310 nm
	KVM matrix system component	Computer module
	Medium	Fiber SM
	Data rate	1 Gbit/s
Video output	Colour depth	24 bit
	Pixel rate	ca. 25 MPixel/s to ca. 330 MPixel/s
	Exemplary resolutions	2560 × 1600 (60 Hz) - 2K / WQXGA 2560 × 1440 (60 Hz) - 2K / WQXGA 1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (60 Hz) - Full HD / WUXGA 1600 × 1200 (60 Hz) - Full HD / WUXGA 1680 × 1050 (60 Hz) - Full HD / WUXGA 1280 × 1024 (60 Hz) - Full HD / WUXGA 1024 × 768 (60 Hz) - Full HD / WUXGA Only the listed resolutions are supported.
Audio	Transmission type	Stereo 2-channel LPCM
	Resolutions	24 bit 20 bit 16 bit

	Sampling rate	up to 48 kHz
	Audio support	Digital Embedded
USB	Specification	USB 2.0
	GenericUSB support	up to 4 devices
	Medium	Embedded
	Transmission rate	8.5 Mbit/s (Full Speed)
	USB classes	Human Interface Device (HID)
Network	Medium 1	CAT5 CAT6 CAT7
	Data rate 1	1 GBit/s 100 MBit/s 10 MBit/s
Maintenance	Update via	ConfigPanel (Network)
	Serviceport settings	115200bps (8/N/1)
Housing	Material	anodised aluminium
	Width	ca. 105 mm
	Height	ca. 26 mm
	Depth	ca. 184 mm
	IP protection class	IP20
Operating conditions	Operating temperature	5 °C to 45 °C
	Operating air humidity	20 % to 80 %, non-condensing
	Area of application	Interior

	Maximum operating altitude	3048m above sea level
	Storage temperature	-20 °C to 55 °C
	Storage air humidity	15 % to 80 %, non-condensing
	MTBF	280000 h at 25°C
	Conformities	CE compliant (see downloads) UKCA compliant (see downloads) FCC compliant (see manual) TAA compliant (see downloads) EAC compliant (see downloads) RoHS compliant (see downloads) WEEE (reg. no. DE30763240) REACH compliant (see downloads)
Power supply	Input voltage	12 VDC
	Current consumption	1.2 A
	Power consumption max.	9.96 W
	Heat output max.	9.96 W

MORE VARIANTS

Description	Article number
RemoteAccess-IP-CPU Basic Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via CAT cable	A2320375
RemoteAccess-IP-CPU Incl. PowerPack Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via CAT cable	A2320376
RemoteAccess-IP-CPU-Fiber(M) Basic Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber multimode	A2320379
RemoteAccess-IP-CPU-Fiber(M) Incl. PowerPack Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber multimode	A2320380
RemoteAccess-IP-CPU-Fiber(M)-UG Basic Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber multimode	A2320383
RemoteAccess-IP-CPU-Fiber(M)-UG Incl. PowerPack Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber multimode	A2320384
RemoteAccess-IP-CPU-Fiber(S) Basic Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber singlemode	A2320381
RemoteAccess-IP-CPU-Fiber(S) Incl. PowerPack Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber singlemode	A2320382
RemoteAccess-IP-CPU-Fiber(S)-UG Incl. PowerPack Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber singlemode	A2320386
RemoteAccess-IP-CPU-UG Basic Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via CAT cable	A2320377
RemoteAccess-IP-CPU-UG Incl. PowerPack Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via CAT cable	A2320378

CONTACT

WE ARE HERE FOR YOU!

If you have any further questions, we are looking forward to advising you on your individual project requirements.

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