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

KVM matrix systems, Article number A2320383

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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.

SCOPE OF DELIVERY

Quantity	Description	Article number
1	Safety instructions flyer - FCC class B	A9100371

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 550 meters over fiber multimode 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 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.265 and 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	Brand	G&D
	Product group	RemoteAccess
	Product Family	RemoteAccess-IP-CPU
	Country of origin	Germany
	KVM matrix system component	Computer module (digital)
	Power Supply	no redundancy
Transmission	Number of transmission channels	1
	Redundant transmission channels	no redundant KVM transmission
	Range	550 m (50.0/125µm, OM2 - 500MHz*km) 500 m (50.0/125µm, OM2 - 400MHz*km) 220 m (62.5/125µm, OM1 - 160MHz*km) 275 m (62.5/125µm, OM1 - 200MHz*km)
	Laser class	Class 1
	Type of interface	LC-Duplex
	Wavelength	850 nm
	Medium	Fiber MM
	Data rate	1 Gbit/s
Video output	Quantity	1
	Colour depth	24 bit

	Pixel rate ca.	25 MPixel/s to 330 MPixel/s
	Exemplary resolutions	2560 × 1600 (60 Hz) 2560 × 1440 (60 Hz) 1920 × 1200 (60 Hz) 1920 × 1080 (60 Hz) 1600 × 1200 (60 Hz) 1680 × 1050 (60 Hz) 1280 × 1024 (60 Hz) 1024 × 768 (60 Hz)
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	Separate USB transmission port	no
	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	Quantity	1
	Medium	CAT5 CAT6 CAT7

	Data rate	1 Gbit/s 100 Mbit/s 10 Mbit/s
Maintenance	Update via	ConfigPanel (Network)
	Serviceport settings	115200bps (8/N/1)
Housing	Material	Anodised aluminium
	Active cooling (fan)	yes
	Width ca.	105 mm
	Height ca.	26 mm
	Depth ca.	184 mm
	IP protection class	IP20
Operating conditions	Operating environment temperature	5 °C to 45 °C
	Operating air humidity, non-condensing	20 % to 80 %
	Area of application	Indoor use
	Maximum operating altitude above sea level	3,048 m
	Storage environment temperature	-20 °C to 55 °C
	Storage air humidity, non-condensing	15 % to 80 %
	MTBF	280,000 h at 25°C

	Conformities	CE compliant (see downloads) UKCA compliant (see downloads) FCC compliant (see manual) TAA compliant (see downloads) RoHS compliant (see downloads) WEEE (reg. no. DE30763240) REACH compliant (see downloads)
Power supply	Quantity	1
	Type	External
	Input voltage	12 VDC
	Current consumption	1.2 A
	Power consumption max.	9.96 W
	Heat output max.	9.96 W / 33.98 BTU/h

ACCESSORY PRODUCTS

Image	Description	Article number
	USB-Service-2 cable 2m Cable for system updates and configuration	A6200103
	PowerPack 12 Type 3 12V/2A 24W power supply with 2m powercable	A4110013
	CaseMount-Set-105-26 mounting bracket Screws & brackets for mounting devices with dimensions 105x26mm in DeviceCarriers	A7000020

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-Fiber(M) Basic Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber multimode	A2320379
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)-UG Basic Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber singlemode	A2320385
RemoteAccess-IP-CPU-UG Basic Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via CAT cable	A2320377

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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