REMOTEACCESS-CPU-FIBER(M)-UG BASIC

KVM matrix systems, Article number A2320362

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With the RemoteAccess-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-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)
- The transmission distance is up to 400 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 extensioin/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-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

TECHNICAL DATA

General	Product group	RemoteAccess KVM matrix systems
	Number of sources	1
Transmission	Number of transmission channels	1
	Redundant transmission channels	no redundant KVM transmission
	Range	100 m (62.5/125µm) 200 m (50.0/125µm, OM2) 400 m (50.0/125µm, OM3) 70 m (62.5/125µm) 150 m (50.0/125µm) 400 m (50.0/125µm, OM4 - 4700MHz*km)
	Laser class	Class 1
	Type of interface	LC-Duplex
	Wavelength	850 nm
	KVM matrix system component	Computer module
	Medium	Fiber MM
	Data rate	2.5 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) 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) 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 60 °C
	Storage air humidity	15 % to 85 %, 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 idle	8.52 W

Power consumption max.	9.96 W
Heat output idle	8.52 W
Heat output max.	9.96 W

MORE VARIANTS

Description	Article number
RemoteAccess-CPU Basic Computer module to connect a virtual machine to a digital matrix switch via CAT cable	A2320342
RemoteAccess-CPU incl. PowerPack Computer module to connect a virtual machine to a digital matrix switch via CAT cable	A2320343
RemoteAccess-CPU-Fiber(M) Basic Computer module to connect a virtual machine to a digital matrix switch via fiber multimode	A2320350
RemoteAccess-CPU-Fiber(M) incl. PowerPack Computer module to connect a virtual machine to a digital matrix switch via fiber multimode	A2320351
RemoteAccess-CPU-Fiber(M)-UG incl. PowerPack Computer module to connect a virtual machine to a digital matrix switch via fiber multimode	A2320363
RemoteAccess-CPU-Fiber(S) Basic Computer module to connect a virtual machine to a digital matrix switch via fiber singlemode	A2320352
RemoteAccess-CPU-Fiber(S) incl. PowerPack Computer module to connect a virtual machine to a digital matrix switch via fiber singlemode	A2320353
RemoteAccess-CPU-Fiber(S)-UG Basic Computer module to connect a virtual machine to a digital matrix switch via fiber singlemode	A2320364
RemoteAccess-CPU-Fiber(S)-UG incl. PowerPack Computer module to connect a virtual machine to a digital matrix switch via fiber singlemode	A2320365
RemoteAccess-CPU-Fiber(S+) Basic Computer module to connect a virtual machine to a digital matrix switch via fiber singlemode+	A2320354
RemoteAccess-CPU-Fiber(S+) incl. PowerPack Computer module to connect a virtual machine to a digital matrix switch via fiber singlemode+	A2320355
RemoteAccess-CPU-Fiber(S+)-UG Basic Computer module to connect a virtual machine to a digital matrix switch via fiber singlemode+	A2320366

Description	Article number
RemoteAccess-CPU-Fiber(S+)-UG incl. PowerPack Computer module to connect a virtual machine to a digital matrix switch via fiber singlemode+	A2320367
RemoteAccess-CPU-UG Basic Computer module to connect a virtual machine to a digital matrix switch via CAT cable	A2320346
RemoteAccess-CPU-UG incl. PowerPack Computer module to connect a virtual machine to a digital matrix switch via CAT cable	A2320347

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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