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

KVM matrix systems, Article number A2320379



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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)

## 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)<br>500 m (50.0/125µm, OM2 - 400MHz*km)<br>220 m (62.5/125µm, OM1 - 160MHz*km)<br>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)<br>2560 × 1440 (60 Hz)<br>1920 × 1200 (60 Hz)<br>1920 × 1080 (60 Hz)<br>1600 × 1200 (60 Hz)<br>1680 × 1050 (60 Hz)<br>1280 × 1024 (60 Hz)<br>1024 × 768 (60 Hz) |
| **Audio** | Transmission type | Stereo<br>2-channel LPCM |
| | Resolutions | 24 bit<br>20 bit<br>16 bit |
| | Sampling rate | up to 48 kHz |
| | Audio support | Digital Embedded |
| **Network** | Quantity | 1 |
| | Medium | CAT5<br>CAT6<br>CAT7 |
| | Data rate | 1 Gbit/s<br>100 Mbit/s<br>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 / 4.13 in |

| | | |
|---|---|---|
| | Height ca. | 26 mm / 1.02 in |
| | Depth ca. | 184 mm / 7.24 in |
| | IP protection class | IP20 |
| | Weight ca. | 0.62 kg / 1.37 lb |
| Operating conditions | Operating environment temperature | 5 °C to 45 °C / 41 °F to 113 °F |
| | 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 / -4 °F to 131 °F |
| | Storage air humidity, non-condensing | 15 % to 80 % |
| | MTBF | 280,000 h at 25°C (77 °F) |
| | Conformities | CE compliant (see downloads)<br>UKCA compliant (see downloads)<br>FCC compliant (see manual)<br>TAA compliant (see downloads)<br>RoHS compliant (see downloads)<br>WEEE (reg. no. DE30763240)<br>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**<br>Cable for system updates and configuration | A6200103 |
| | **PowerPack 12 Type 3 12V/2A**<br>24W power supply with 2m powercable | A4110013 |
|  | **CaseMount-Set-105-26 mounting bracket**<br>Screws & brackets for mounting devices with dimensions 105x26mm in DeviceCarriers | A7000020 |

## MORE VARIANTS

| Description | Article number |
|---|---|
| **RemoteAccess-IP-CPU Basic**<br>Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via CAT cable | A2320375 |
| **RemoteAccess-IP-CPU-Fiber(M)-UG Basic**<br>Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber multimode | A2320383 |
| **RemoteAccess-IP-CPU-Fiber(S) Basic**<br>Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber singlemode | A2320381 |
| **RemoteAccess-IP-CPU-Fiber(S)-UG Basic**<br>Computer module to connect a virtual machine to a KVM-over-IP Matrixswitch via fiber singlemode | A2320385 |
| **RemoteAccess-IP-CPU-UG Basic**<br>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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