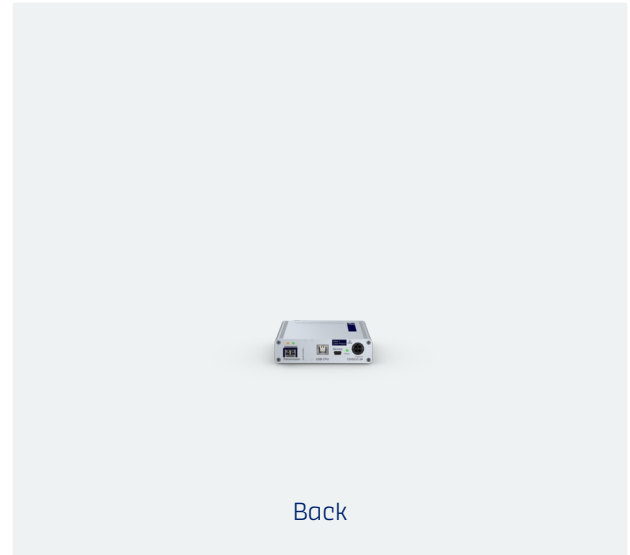
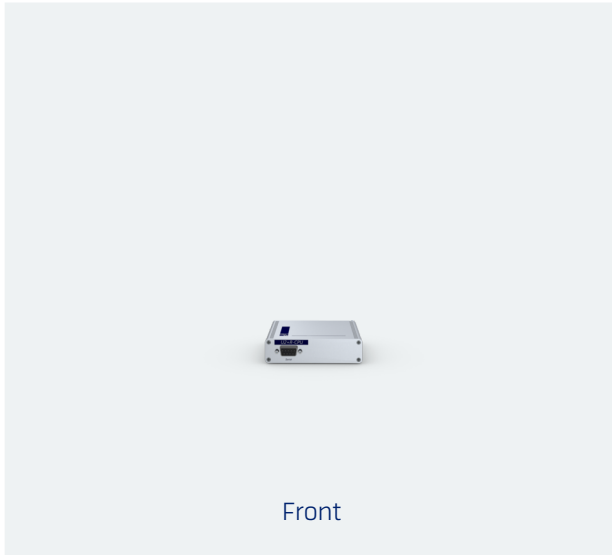


# U2+R-FIBER(M)-CPU BASIC

KVM extenders, Article number A2320280



The U2+R-CPU computer module receives USB2.0 high-speed and RS232 signals from a compatible console module of the U2+R series and transmit them to the computer.

## SCOPE OF DELIVERY

| Quantity | Description                             | Article number |
|----------|-----------------------------------------|----------------|
| 1        | USB-AM/BM-2 cable USB 2m                | A6300113       |
| 1        | RS232-M/F-2 cable RS232 2m              | A6300023       |
| 1        | Safety instructions flyer - FCC class B | A9100371       |

## DETAILS

### SIGNALS

- Transparent RS232 (max. 115,200 bps)
- Embedded USB 2.0 with Hi-Speed, transparent, all USB classes

### TRANSMISSION

- 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 extension possible

## FEATURES

### SIGNALS

- The serial interface can also be configured for RS422 transmission.

## EXTENSIONS

### 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                   | KVM extenders                                                                                                                                                  |
|              | Product Family                  | U2-R-CPU/CON                                                                                                                                                   |
|              | 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                           | 100 m (62.5/125µm)<br>200 m (50.0/125µm, OM2)<br>400 m (50.0/125µm, OM3)<br>70 m (62.5/125µm)<br>150 m (50.0/125µm)<br>400 m (50.0/125µm, OM4 -<br>4700MHz*km) |
|              | Laser class                     | Class 1                                                                                                                                                        |
|              | Type of interface               | LC-Duplex                                                                                                                                                      |
|              | Wavelength                      | 850 nm                                                                                                                                                         |
|              | Medium                          | Fiber MM                                                                                                                                                       |
|              | Data rate                       | 2.5 Gbit/s                                                                                                                                                     |
|              |                                 |                                                                                                                                                                |
| USB          | Separate USB transmission port  | no                                                                                                                                                             |
|              | Specification                   | USB 2.0                                                                                                                                                        |
|              | Medium                          | Embedded                                                                                                                                                       |
|              | Transmission rate               | max. 480 Mbit/s (Hi-Speed)                                                                                                                                     |
|              | Range                           | max. 400 m                                                                                                                                                     |

|             |                          |                                               |
|-------------|--------------------------|-----------------------------------------------|
| Serial 1    | USB classes              | All                                           |
|             | Standard                 | RS232                                         |
|             | Transparent transmission | yes                                           |
|             | Data rate                | max. 115,200 bps                              |
|             | Signals                  | TxD<br>RxD<br>DTR<br>DSR<br>RTS<br>CTS<br>DCD |
| Serial 2    | Standard                 | RS422                                         |
|             | Transparent transmission | yes                                           |
|             | Data rate                | max. 115,200 bps                              |
|             | Signals                  | TxA<br>TxB<br>RxB<br>RxA<br>GND               |
| Maintenance | Update via               | Update Wizard (service interface)             |
|             | Serviceport settings     | 115200bps (8/N/1)                             |
| Housing     | Material                 | Anodised aluminium                            |
|             | Width ca.                | 105 mm                                        |
|             | Height ca.               | 26 mm                                         |
|             | Depth ca.                | 104 mm                                        |
|             | IP protection class      | IP20                                          |

|                      |                                            |                                                                                                                                                                                                                                                                   |
|----------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating conditions | Weight ca.                                 | 0.26 kg                                                                                                                                                                                                                                                           |
|                      | 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 60 °C                                                                                                                                                                                                                                                   |
|                      | Storage air humidity, non-condensing       | 15 % to 80 %                                                                                                                                                                                                                                                      |
|                      | MTBF                                       | 280,000 h at 25°C                                                                                                                                                                                                                                                 |
|                      | Conformities                               | CE compliant (see downloads)<br>UKCA compliant (see downloads)<br>FCC compliant (see manual)<br>TAA compliant (see downloads)<br>EAC 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                        | 0.3 A                                                                                                                                                                                                                                                             |
|                      | Power consumption idle                     | 1.86 W                                                                                                                                                                                                                                                            |
|                      | Power consumption max.                     | 1.98 W                                                                                                                                                                                                                                                            |
|                      | Heat output idle                           | 1.86 W                                                                                                                                                                                                                                                            |



|  |                  |        |
|--|------------------|--------|
|  | Heat output max. | 1.98 W |
|--|------------------|--------|

## ACCESSORY PRODUCTS

| Image                                                                              | Description                                                                                                                       | Article number |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|
|   | <b>USB-Service-2 cable 2m</b><br>Cable for system updates and configuration                                                       | A6200103       |
|   | <b>PowerPack 12 Type 3 12V/2A</b><br>24W power supply with 2m powercable                                                          | A4110013       |
|   | <b>RS232-M/F-5 cable RS232 5m</b><br>Cable to connect a serial device                                                             | A6300025       |
|   | <b>USB-AM/BM-3 cable USB 3m</b><br>USB cable, Type-A Plug/Type-B Plug                                                             | A6300114       |
|   | <b>USB-AM/BM-5 cable USB 5m</b><br>USB cable, Type-A Plug/Type-B Plug                                                             | A6300111       |
|  | <b>CaseMount-Set-105-26 mounting bracket</b><br>Screws & brackets for mounting devices with dimensions 105x26mm in DeviceCarriers | A7000020       |

## MORE VARIANTS

| Description                                                                                                                         | Article number |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>U2+R-CPU Basic</b><br>Computer module for transparent USB2.0 transmission (high-speed) via CAT cable                             | A2320278       |
| <b>U2+R-CPU incl. PowerPack</b><br>Computer module for transparent USB2.0 transmission (high-speed) via CAT cable                   | A2320279       |
| <b>U2+R-Fiber(M)-CPU incl. PowerPack</b><br>Computer module for transparent USB2.0 transmission (high-speed) via fiber multimode    | A2320281       |
| <b>U2+R-Fiber(S)-CPU Basic</b><br>Computer module for transparent USB2.0 transmission (high-speed) via fiber singlemode             | A2320282       |
| <b>U2+R-Fiber(S)-CPU incl. PowerPack</b><br>Computer module for transparent USB2.0 transmission (high-speed) via fiber singlemode   | A2320283       |
| <b>U2+R-Fiber(S+)-CPU Basic</b><br>Computer module for transparent USB2.0 transmission (high-speed) via fiber singlemode+           | A2320284       |
| <b>U2+R-Fiber(S+)-CPU incl. PowerPack</b><br>Computer module for transparent USB2.0 transmission (high-speed) via fiber singlemode+ | A2320285       |

# 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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