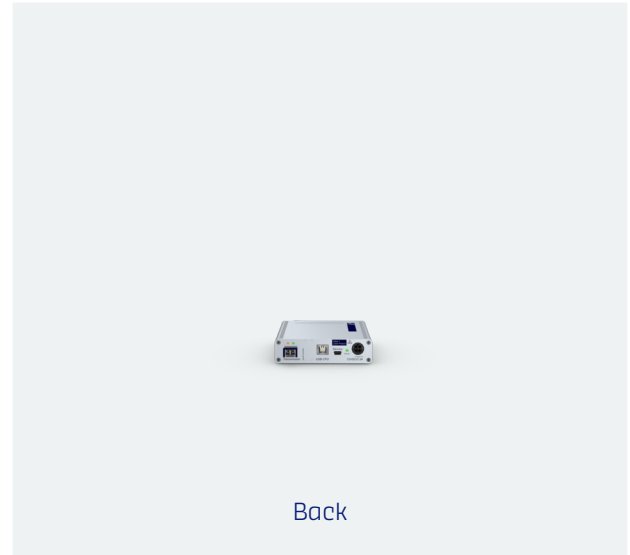
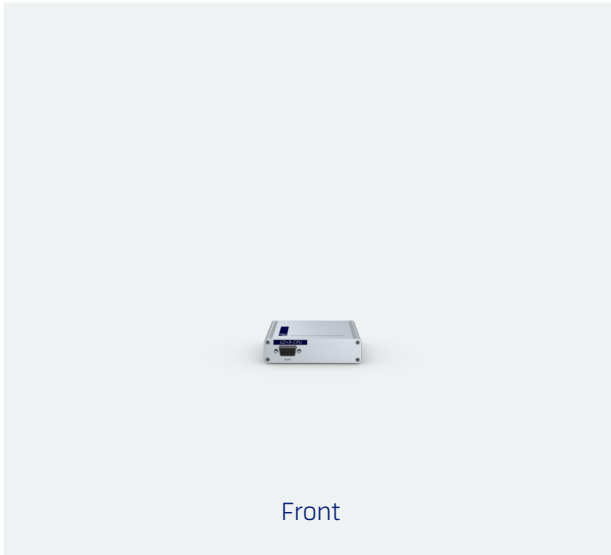


# U2+R-FIBER(M)-CPU BASIC

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       |

## 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/guarantee renewal 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<br>KVM matrix systems                                                                                                                            |
|              |                                 |                                                                                                                                                                |
| 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                                                                                                                                                         |
|              | KVM matrix system component     | Computer module                                                                                                                                                |
|              | Medium                          | Fiber MM                                                                                                                                                       |
|              | Data rate                       | 2.5 Gbit/s                                                                                                                                                     |
|              |                                 |                                                                                                                                                                |
| USB          | Specification                   | USB 2.0                                                                                                                                                        |
|              | Medium                          | Embedded                                                                                                                                                       |
|              | Transmission rate               | 480 Mbit/s (Hi-Speed)                                                                                                                                          |
|              | Range                           | max. 400 m                                                                                                                                                     |
|              | USB classes                     | All                                                                                                                                                            |
| Serial       | Standard                        | RS232<br>RS422                                                                                                                                                 |
|              |                                 |                                                                                                                                                                |

|                      |                            |                                                                                  |
|----------------------|----------------------------|----------------------------------------------------------------------------------|
|                      | Transparent transmission   | yes                                                                              |
|                      | Data rate                  | max. 115200 bps                                                                  |
|                      | Signals                    | TxD<br>RxD<br>DTR<br>DSR<br>RTS<br>CTS<br>DCD<br>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                                                                             |
|                      | Weight                     | ca. 0.26 kg                                                                      |
| 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 80 %, non-condensing                                                                                                                                                                                                                                      |
|              | MTBF                   | 280000 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 | 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                                                                                                                                                                                                                                                            |

## 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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