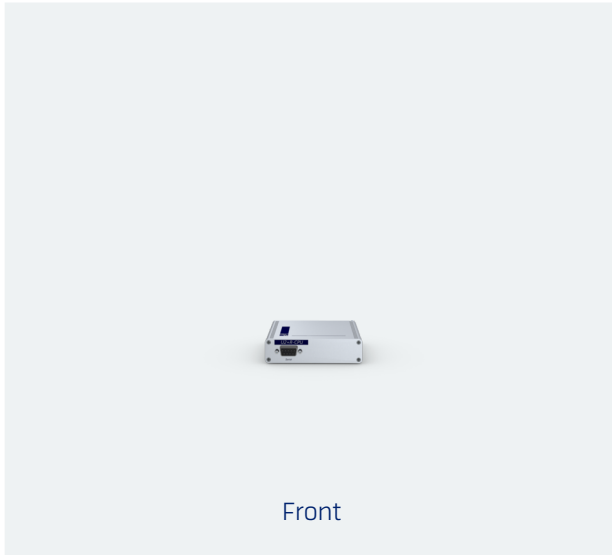
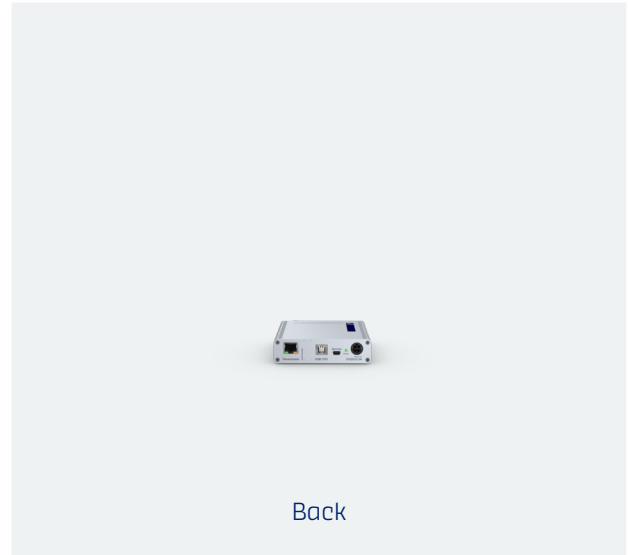


# U2+R-CPU INCL. POWERPACK

KVM extenders, Article number A2320279



Front



Back

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        | PowerCable-2 Standard cable 2m          | A6300057       |
| 1        | USB-AM/BM-2 cable USB 2m                | A6300113       |
| 1        | RS232-M/F-2 cable RS232 2m              | A6300023       |
| 1        | Netzteil 12V / 2,08AFSP025-D12C14 FSP   | Z0005926       |
| 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 140 meters over CAT

### 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                           | 140 m (AWG22)<br>100 m (AWG24)<br>80 m (AWG26) |
|              | Medium                          | CAT5e<br>CAT6<br>CAT7                          |
|              | Data rate                       | 1 Gbit/s                                       |
| USB          | Separate USB transmission port  | no                                             |
|              | Specification                   | USB 2.0                                        |
|              | Medium                          | Embedded                                       |
|              | Transmission rate               | max. 480 Mbit/s (Hi-Speed)                     |
|              | Range                           | max. 100 m                                     |
|              | USB classes                     | All                                            |
| Serial 1     | 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                                          |
|                      | Weight ca.                             | 0.24 kg                                       |
| 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 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                     | 1.14 W                                                                                                                                                                                                                                                            |
|              | Power consumption max.                     | 2.1 W                                                                                                                                                                                                                                                             |
|              | Heat output idle                           | 1.14 W                                                                                                                                                                                                                                                            |
|              | Heat output max.                           | 2.1 W                                                                                                                                                                                                                                                             |

## ACCESSORY PRODUCTS

| Image                                                                             | Description                                                                                                                       | Article number |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|
|  | <b>USB-Service-2 cable 2m</b><br>Cable for system updates and configuration                                                       | A6200103       |
|  | <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-Fiber(M)-CPU Basic</b><br>Computer module for transparent USB2.0 transmission (high-speed) via fiber multimode              | A2320280       |
| <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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