

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

KVM extenders, Article number A2320284



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        | 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 10,000 meters over fiber singlemode+ 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                           | 10,000 m (9/125µm, OS1)       |
|              | Laser class                     | Class 1                       |
|              | Type of interface               | LC-Duplex                     |
|              | Wavelength                      | 1,310 nm                      |
|              | Medium                          | Fiber SM+                     |
|              | 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. 10,000 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                                          |
| Operating conditions | Operating 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 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-3 cable RS232 3m</b><br>Cable to connect a serial device                                                             | A6300024       |
|    | <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 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 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.

### TECHNICAL SALES

Tel.: +49 271 23872-333  
Fax: +49 271 23872-120  
E-Mail: [sales@gdsys.com](mailto:sales@gdsys.com)

### HEADQUARTERS

Guntermann & Drunck GmbH Systementwicklung  
Obere Leimbach 9 | 57074 Siegen | NRW |  
Deutschland

Tel.: +49 271 23872-0  
Fax: +49 271 23872-120  
E-Mail: [sales@gdsys.com](mailto:sales@gdsys.com)

### US OFFICE

G&D North America Inc.  
4540 Kendrick Plaza Drive | Suite 100  
Houston, TX 77032 | United States

Tel.: +1-346-620-4362  
E-Mail: [sales.us@gdsys.com](mailto:sales.us@gdsys.com)

### MIDDLE EAST OFFICE

Guntermann & Drunck GmbH  
Dubai Studio City | DSC Tower  
12th Floor, Office 1208 | Dubai, UAE

Tel.: +971 4 5586178  
E-Mail: [sales.me@gdsys.com](mailto:sales.me@gdsys.com)

### APAC OFFICE

Guntermann & Drunck GmbH  
60 Anson Road #17-01  
Singapore 079914

Tel.: +65 9685 8807  
E-Mail: [sales.apac@gdsys.com](mailto:sales.apac@gdsys.com)