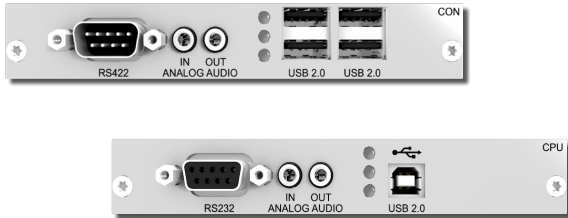


Add-on module with USB 2.0 embedded flex speed, RS232, analog audio



USB 2.0 extension

4 port USB hub

Serial data transmission and analog audio

Supports full-duplex transmission

Audio line-level interface

PRODUCT INFORMATION

Function

The add-on module for USB 2.0 embedded plus RS232 and analog audio provides bidirectional USB 2.0 transmission, serial data and analog audio transmission to existing systems. USB signals are transmitted with a speed of up to 50/100 Mbit/s. The RS232 interface supports a full-duplex transmission. The signals are transmitted within the KVM data stream via the main extender module. No additional Cat X or fiber link is required.

Application

The module offers four USB ports on the CON side, each with 500 mA supply for various devices and applications. Many USB 2.0 devices such as mass storage, graphic tablets, touch screens and fingerprint sensors can be connected

near the workstation and integrated into existing systems. Depending on the device, USB data is transferred in isochronous or bulk process. The additional serial interface (RS232) includes hardware handshake. DCE devices may be connected to enable direct connection of devices such as touch screens or joysticks. The audio interface allows parallel, bidirectional stereo signal transmission. A line level input allows signal transmission from a sound card or any other line level devices. You can easily connect peripheral devices such as microphones, headsets or speakers.

De-embedding

Commonly used AV and broadcast signals, including SDI, HDMI and DisplayPort include both audio and

video signals within a single cable interface. When extended to the analog audio module, the audio signals are maintained within the AV interfaces and additionally extracted and converted to analog audio for output on dedicated audio connectors. The module also allows for the conversion of digital audio signals from CPU add-on modules to analog outputs.

Installation

The Draco vario system allows flexible mounting of modules on all main modules and in all Draco vario chassis.

PRODUCT FEATURES

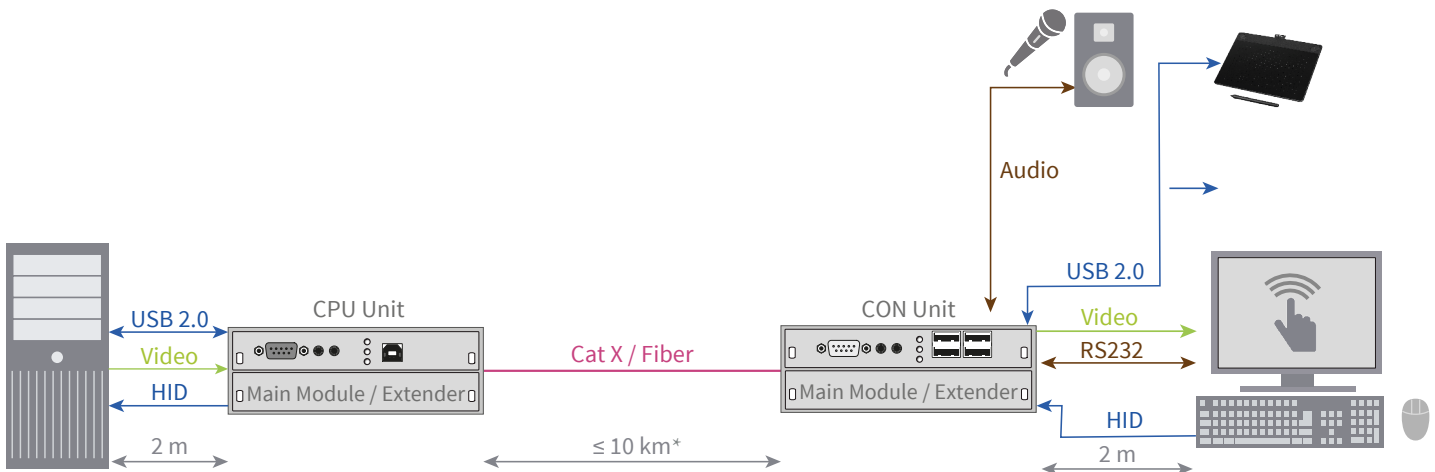
- Enables bidirectional USB data transmission between workstation (CON unit) and computer (CPU unit)
- Transmission in the data stream of the main module, no additional port on the matrix required (function is also given over matrix)
- USB 2.0 support backward compatible to USB 1.1
- Maximum bandwidth 50/100 Mbit/s (flex speed)
- Parallel bidirectional stereo audio
- Enables serial data transmission between workstation (CON unit) and computer (CPU unit)
- Baud rate up to 19,200 Baud
- Module can be operated with all Draco vario and Draco ultra KVM extenders

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TECHNICAL DATA	
Part No.	L474-BAE2 (CPU) R474-BAE2 (CON)
Serial Interface (RS232)	
Connection format	DTE (Data Terminal Equipment)
Speed	Up to 19,200 baud
Data format	Format-independent
Analog Audio	
Transmission type	Digitilizes virtually CD quality (16 bit, 38.4 kHz)
Signal level	Line Level (5 Volt Pk-Pk maximum)
Input impedance	47 kOhm
Output impedance	270 Ohm
Connection	2x 3.5 mm stereo jack plug (Audio IN & Audio OUT)
USB 2.0 interface	
USB mode	USB 1.1/ 2.0 (50/100 Mbit/s)
Connection	CPU: USB Type B CON: 4x USB Type A
Maximum distance	Max. 10 km range (when used with fiber optic main modules and their incl. SFP for Single-Mode)*
Power consumption	CPU: 160 mA CON: 2240 mA (depending on connected devices)

* Related to fiber optic extension and depending on the SFPs used. Already verified maximum distance: 62 km. Farther distances require individual testing.

FUNCTIONAL DIAGRAM



ORDER NUMBERS



L474-BAE2

R474-BAE2

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