





Dual-head digital video, audio, and USB2.0 over 1GbE IP network.

A high performance KVM extender that allows critical computing hardware to be stored in a secure and temperature-controlled environment, while providing an 'at-the-PC' experience across distances up to 20km. The solution can be used as a point-to-point extender or integrated into a matrix system with the ADDERLink® INFINITY Manager (AIM).

ADDERLink® INFINITY Dual 2020T

Perfect Digital Video, Real-Time Control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, ADDERLink INFINITY provides pixel-perfect and color accurate video with no artefacts. The digital video received is the same as the digital video leaving the remote computer.

Unlimited Extension Distances

Extension distance is not limited to a single 100 meter cable length. If you need to extend further, simply add a 1GbE network device to achieve an additional 100 meters, which can be repeated many times. Also fitted with SFP cages to accept fiber optic transceivers for much greater distances.

USB 2.0 with Class Control

Supports USB devices including graphics tablets, jog shuttles, joysticks and 3D explorers, alongside mass storage devices. For secure applications, the system can disable the use of non-HID devices, meaning there is no need to physically block USB ports to prevent the use of mass storage devices.

Standard IP Technology

Using standard IP technology allows a choice of single structured cable (CATx) or fiber connection achieving reliable links without interference. The ADDERLink INFINITY Dual 2020 also offers the option of up to 20km distances with fiber.

Support for Mac Pro® (Dithered Video)

A "dithering" technique seen with graphics cards can give the appearance of a deeper color depth than is true, which can significantly increase the normal video data rates. ALIF2020 has a "Magic Eye" feature which supports dithering without allowing it to degrade overall link performance.

ADDERLink INFINITY Matrix

With the addition of the ADDERLink INFINITY management system (AIM) you can turn multiple point-to-point extenders into a scalable digital KVM matrix system that allows any workstation to link with any computer connected to the network. See the AIM datasheet for details.





EDID Management

Intelligent EDID management allows the true characteristics of the monitor to be passed back to the computer. This ensures perfect video display without additional configuration.

Redundant Network Operation

The units support network teaming allowing for full network redundancy and increased resilience for mission-critical applications.

Plug and Play

ADDERLink INFINITY devices are delivered in a zero config state so you can plug them in and start working on them straight away. There is no need for drivers or software to be installed.

Analog Audio

The ALIF2020 supports bi-directional stereo audio input via 3.5mm jack connectors.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	1920 x 1200
Frame Rate (1 Screen)	60 Hz
Color Depth (1 Screen)	8 bpc

Video Information (2 Screen)	
Maximum Resolution (2 Screens)	1920 x 1200
Frame Rate (2 Screens)	60 Hz
Color Depth (2 Screen)	8 bpc

Video Additional Information	
Video Additional Information	The system supports two Single Link DVI-D resolutions to a maximum of 1920 x 1200 @ 60Hz.

Computer Connections	
USB B	1x , True Emulation,High Speed
DVI-D	2x

Link Ports	
8p8c (RJ45)	1x
SFP	1x

Serial Ports	
Serial Connection	1x RS232
Maximum Baud Rate	115,200
Serial Additional Information	RS232 can be passed between the units to a maximum baud rate 115K2.

Audio Connections	
Audio Type	Analog
Channels	2x
Audio Direction	Bi-directional
Size (bit)	16
Speed (kHz)	48
Audio In Port	1x 3.5mm jack
Audio Out Port	1x 3.5mm jack

Network Support	
Bandwidth	1GbE

10/100 Support	No

Environmental	
Operating Temperature Range °C / °F	0 to 40 °C / 32 to 104 °F
Storage Temperature °C / °F Range	0 to 40 °C / 32 to 104 °F
Operating Humidity (%)	10% - 90% (non-condensing)
Altitude m/ft	2,000 / 6562
Mean Time Between Failure (MTBF)	600,000 h
MTBF Standard	Telcordia SR332 Issue 4 March 2016 Calculated @ 55C
Temperature Regulation	Fanless

Power Source	
5V	1x

Power Consumption	
Maximum Power (Watts)	20
Typical Power (Watts)	12

Physical Design	
Construction Material	Robust metal construction
U size	1
Width (mm) / (in.)	198 / 7.8
Height (mm) / (in.)	44 / 1.7
Depth (mm) / (in.)	150 / 5.9
Weight (kg) / (lb)	1.1 / 2.4

Compatibility	
OS Compatibility	All known operating systems
System Requirements	Isochronous USB devices are not supported (e.g. USB audio or video devices).

Approvals and Standards	
Approvals	CE, cULus - E476334, FCC, ICES, RCM, UKCA
Standards	ANSI 63.4, EN/IEC 62368-1, EN55032 /CISPR 32, EN55035/CISPR 35, EN61000-3-2, EN61000-3-3, EN63000, FCC pt15B, ICES003
Other	Cal Prop 65, China ROHS, EU REACH, UK REACH

What's in the Box?
1x ALIF2020 Transmitter
1x PSU-IEC-5VDC-4A: Mains power supply
1x IEC PSU cable of country code
2x VSCD1: 2m/6.5ft Single link DVI cable
1x VSC24: 2m/6.5ft USB cable
2x VSC22: 2m/6.5ft Audio cable

Ordering Information	
ALIF2020T-XX	ALIF2020 Transmitter

Related Accessories (Sold Separately)
ADDER® Rack Mount Kit RMK4S
ADDER® Rackmount Kit RMK4D-R2

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