

Belkin Fiber Video Extenders

Security. Convenience. Control.



Belkin is proud to introduce its new, innovative remote Fiber Video Extenders designed for digital signage and conference room solutions.

Increased popularity of HD & 4K-2K UHD displays and TVs raises the need for securing and physically distancing the video source from the display area/user desktop. The Belkin Fiber Video Extenders (F1DN001X and F1DN002X) are by far the most advanced video extenders on the market conveying reliable, high-quality video/data over long distances without compromising security.

F1DN002X owns HDMI video port supporting 4K-2K UHD resolutions, while F1DN001X owns DVI-D video port supporting HD resolutions.

Both extenders use a single strand OM4 Multimode SC to SC fiber cable to extend high-quality video, 10/100 LAN, RS232 and IR to a distance of up to one kilometer without latency or data loss.

The Belkin F1DN001X & F1DN002X are extremely low on power consumption using either power over USB on the TX side or an efficient 5V wall-mounted power supply on the RX side.

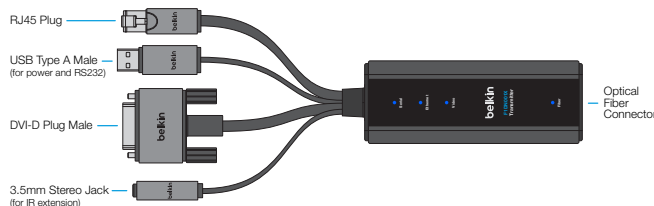
The extenders' LAN port is fully compatible with IEEE 802.3-2005 and 10BASE-T/100BASE-T for extending TCP-based devices to up to one kilometer; they can be used for both IR traffic for remote control and serial RS232 communication via USB on the TX side.

Video displays or user desktops can be placed where viewing or interaction is required, while the corresponding source equipment is installed safely in a remote location, without interfering with daily work and operations.

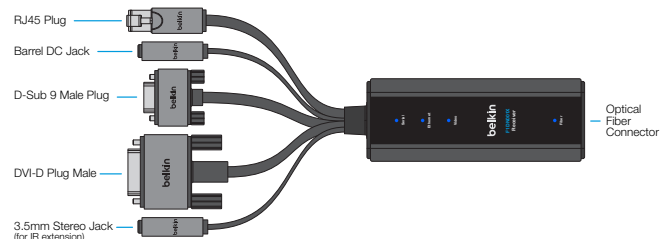
Key Features and Benefits

- Plug & play operation**
Simply connect at the RX and TX sides and turn ON the display
- Ultra HD & HD video supported**
3840x2160x30Hz resolutions supported by F1DN002X; 1920x1200x60Hz resolutions supported by F1DN001X
- Long range high-quality video distancing (up to 1 km)**
No loss of video quality from compression/decompression, no latency, no dropped frames or color/motion distortions
- Full EDID and HDCP Support**
For displays and devices
- 10/100 Base-T Ethernet**
For connecting guest laptops in conference rooms, VoIP phones in call centers, etc.
- IR Control**
For remote control of conference room projectors and other difficult-to-reach displays
- Small and Efficient**
Low power consumption, small form factor

F1DN001X Transmitter



F1DN001X Receiver





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F1DN001X
F1DN002X

F1DN002X SUPPORTS



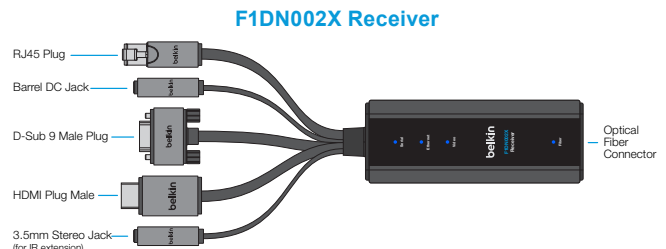
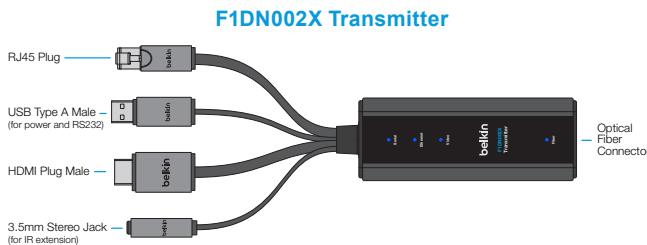
BELKIN FIBER VIDEO EXTENDER SPECIFICATIONS

PART NUMBER	F1DN001X	F1DN002X
No. of Users	1	1
Warranty	3 years	3 years
INTERFACES		
Video	1x DVI-D Single Link up to 1920x1200 (WUXGA), plug-and-play bidirectional EDID	1x HDMI 1.3a standard, 4K2K up to 3840x2160 (Ultra HD), plug-and-play bidirectional EDID
Audio	No	No
Ethernet	1x 10/100Base-T	1x 10/100Base-T
Fiber-Optic Connector	SC connector	SC connector
IR	3.5mm port for IR pass-through from RX to TX	
RS-232	9-pin D-Sub male full-duplex serial connector (RX only), up to 115 kbps, USB-to-serial converter on TX USB Note: The RS-232 will operate only if the USB to UART Bridge Virtual COM Port (VCP) driver has been installed.	
MAXIMUM DISTANCE		
OM4 Cable	1,000 meters on single strand OM4 Cable Note: Distance and video quality may vary pending on fiber cable quality	
POWER		
Power Requirements	TX: 5V DC power from USB (or via power to USB adapter, included) RX: 5V DC power from 5V 2.5A external power supply (included)	
CERTIFICATION		
Security Accreditation	FCC Class B, CE Mark Approved, EN55022B, VCCI, UL and cUL, Class 1M laser device per IEC 60825-1:2007	
ENVIRONMENTAL		
Temperature	Operating: 32°F to 104°F (0°C to 40°C); Storage: -4°F to 140°F (-20°C to 60°C)	
Humidity	Operating: 20% to 80% RH, non-condensing; Storage: 10% to 90% RH, non-condensing	
Altitude	0 to 10,000 ft	
PHYSICAL		
Dimensions	1.85 (W) x 4.92 (D) x 0.9 (H) inches, 47 (W) x 125 (D) x 23 (H) mm	
Weight	Product: 0.77 lbs. (0.35 kg), Shipping: 1.76 lbs. (0.8 kg)	

Compatible Belkin Fiber Cable SKUs:

- LO OM4 Simplex Fiber Optic Cable; SC to SC; 50/125; 25M
P/N# RFQ31883A
- LO OM4 Simplex Fiber Optic Cable; SC to SC; 50/125; 50M
P/N# RFQ31883B
- LO OM4 Simplex Fiber Optic Cable; SC to SC; 50/125; 100M
P/N# RFQ31883C
- LO OM4 Simplex Fiber Optic Cable; SC to SC; 50/125; 500M
P/N# RFQ31883D
- LO OM4 Simplex Fiber Optic Cable; SC to SC; 50/125; 1000M
P/N# RFQ31883E

Custom lengths and plenum/direct burial/outdoor rated fibers are available with your Belkin sales representative



Except at a Static-Free Work Station



Warning!

This device is a Class 1M Optical Fiber Communication System (OFCS) component (per IEC 60825-1:2007) and can cause damage to eye sight if used improperly. Refer to ANSI Z136 for proper handling and usage of Class 1M devices.



LASER RADIATION