

BELKIN FIBER KVM, VIDEO (DVI-D) & AUDIO EXTENDER SUPPORTING CAC AND DCU

Security. Convenience. Control.

Belkin introduces the F1DN004X – new, innovative remote Fiber Extender offering a wide range of connectivity options

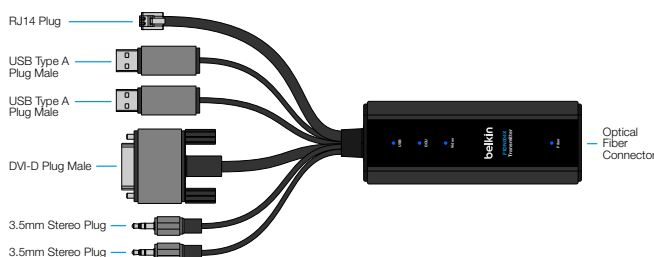
The F1DN004X extends HD-quality video over DVI-D, Audio and full-speed USB devices to a distance of up to one kilometer on a single strand OM4 Multimode SC to SC fiber cable. The Belkin F1DN004X also supports DCU (Desktop Control Unit) and CAC (Common Access Card) for enhanced security. The Belkin F1DN004X (DVI-D) is by far the most advanced fiber KVM extender on the market today offering multiple connectivity options to fit any extension needed.

The F1DN004X compact size and attractive pricing make it an ideal solution compared to existing large and high cost extenders. Its small size, reduced power consumption and high quality video and audio extension, make it the ideal solution for remote KVM extension and video conferencing solutions.

The F1DN004X is 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) to power all interfaces.

The 1 kilometer extension makes it transparent to the viewers with video displays, headphones, speakers and USB devices placed where the user is located, while the corresponding source equipment is installed in a safe remote location, without interfering with daily work and operations.

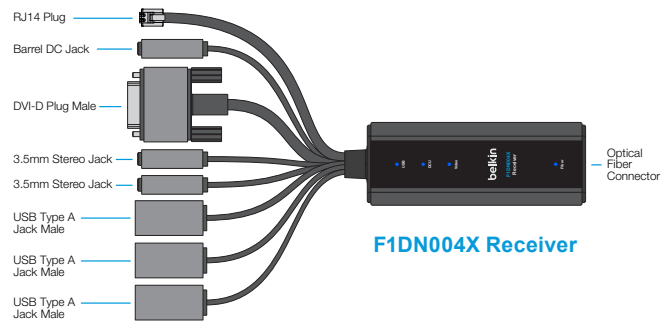
F1DN004X Transmitter



KEY FEATURES AND BENEFITS

- **Easy Integration and Operation**
 - Plug and play – Simply connect at both ends and start the display
 - Easy connectivity with standard DVI-D connector and power over USB on TX side
 - Clear LED visual indicators
- **High-Quality Video**
 - No compression – No loss of video quality from compression and decompression
 - No latency – Less than one frame latency, ideal for defense and financial market applications
 - No dropped frames – All frames in video stream reach the display
 - No color or motion distortion – Video maintains its rich color and full motion
 - HD quality (1920x1200x60Hz)
- **Full EDID and HDCP Support**
Compatible with all EDID and HDCP displays and devices
- **High-Quality Audio**
Audio In & Out support for speakers and headphones, stereo quality
- **Connectivity to RDC**
Remote Desktop Control unit supported
- **Leveraged Security**
CAC (Common Access Card) supported
- **Small and Efficient**
 - Green product – Lowest power requirement of all similar devices
 - Smallest form factor of all similar devices
- **Full-Speed USB Extension**
 - Extends full speed USB (12MB) on three USB ports. Two ports support any compatible USB device. One port supports CAC.

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SPECIFICATIONS

PART NUMBER		F1DN004X
No. of Users		1
Warranty		3 years
INTERFACES		
Video		1x DVI-D Single Link up to 1920x1200 (WUXGA), plug-and-play bidirectional EDID
Audio		– Audio In 3.5 mm stereo plug and jack – Audio Out 3.5 mm stereo plug and jack
Fiber-Optic Connector		SC connector
USB		Full-Speed USB Extension, 2 x USB type A male connector on TX side, 2 x USB type A female connectors on RX side (for keyboard and mouse). 1 x USB type A female connector on RX side (for CAC).
DCU Support		Yes
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		
EMI/EMC		FCC Class B
CE		CE Mark Approved
EN		EN55022B, VCCI, UL and cUL
Laser		Class 1M laser device per IEC 60825-1:2007
ENVIRONMENTAL		
Operating Temp		32°F to 104°F (0°C to 40°C)
Storage Temp		-4°F to 140°F (-20°C to 60°C)
Operating Humidity		20% to 80% RH, non-condensing
Storage Humidity		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)

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.

