

Belkin extender portfolio.

Secure. Certified. Connected.



Belkin video/USB extenders.

Introducing never-before-available security and distance options.

Existing technology allows extenders to deliver point-to-point video and USB across distance, but there's no way to switch the video path from enclave to enclave.

Belkin SKVM keyboards and remote-control pads deliver groundbreaking technology by enabling enclave switching control over long distance from the users' desktops. This valuable security feature allows the processing side (zero clients, thin clients, workstations) and the Secure KVMs to be located in a locked, secure data center or SCIF (Sensitive Compartmented Information Facility) rather than at the desktop. Users have the flexibility to switch across a multitude of classified/unclassified networks remotely even though there are no processing components at the desktop.

The innovation to toggle SKVM buttons on the SKVM keyboard or remote-control pad at a remote location is an industry breakthrough. Combining it with a minimum of infrastructure cost (one receiver/transceiver set per monitor) is revolutionary. Leveraging its SKVM expertise, Belkin developed a "no client" solution that provides the ultimate in desktop security with the added benefit of data center-located administration of the computing assets.

Belkin secure desktop approach.

Better than a zero or thin client – it's a no client.

Our technology makes two unique applications possible:

- Placement of Secure KVMs next to computers in the data center instead of at the desktop with single-wire control over long distances from the remote desktop.
- Long-distance transmission of video/USB over copper or fiber infrastructure for audio/visual projects challenged by signaling limitations.

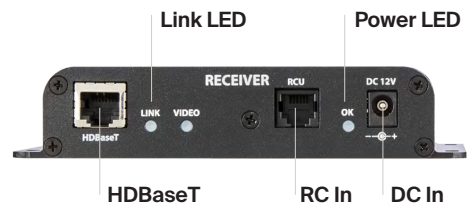
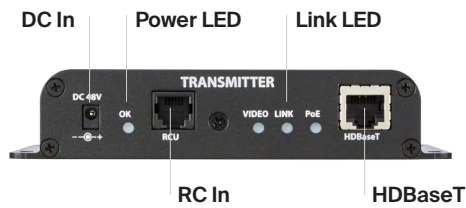
Benefits for government, utilities and healthcare professionals include:

- Improved security and centralized administration of the computing assets and SKVMs by rack-mounting the processing side (virtual or physical workstations) in the data center.
- Dramatic infrastructure cost reductions. Instead of running four or more Ethernet drops (one per enclave) to each desk, only one CAT6 or fiber run is needed per desktop (two for dual-head support). This significantly reduces cable bulk costs and simplifies cable management.
- Belkin's Extender portfolio allows you to control your computer, secure enclave or SKVM switch from up to 328 feet (100m) with CAT6 or 984 feet (300m) with SFP Fiber. This is ideal for remote desktops, conference rooms, command and control, server farms and secure video access.

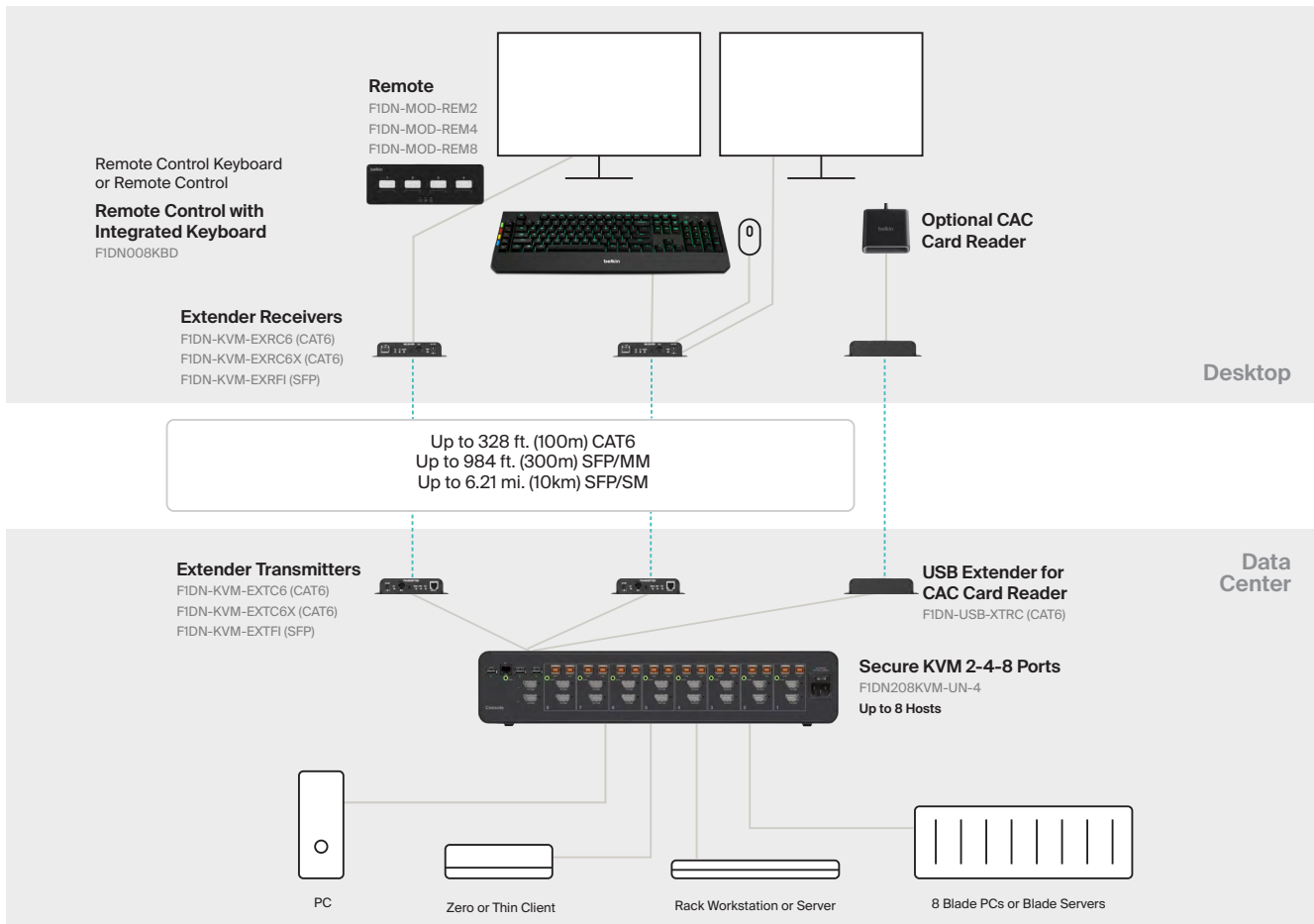
Belkin KVM Extenders

Part Number	Description
F1DN-KVM-EXTC6	Extender Transmitter Copper CAT6 - Universal Video (4K 60Hz 4X2X0)
F1DN-KVM-EXRC6	Extender Receiver Copper CAT6 - Universal Video (4K 60Hz 4X2X0)
F1DN-KVM-EXTC6X	Extender Transmitter Copper CAT6 - Universal Video (4K 60Hz 4X4X4)
F1DN-KVM-EXRC6X	Extender Receiver Copper CAT6 - Universal Video (4K 60Hz 4X4X4)
F1DN-KVM-EXTFI	Extender Transmitter Fiber SFP - Universal Video (4K 60Hz 4X2X0)
F1DN-KVM-EXRFI	Extender Receiver Fiber SFP - Universal Video (4K 60Hz 4X2X0)
F1DN-USB-XTRC	Extender Copper CAT6 USB Transmitter and Receiver

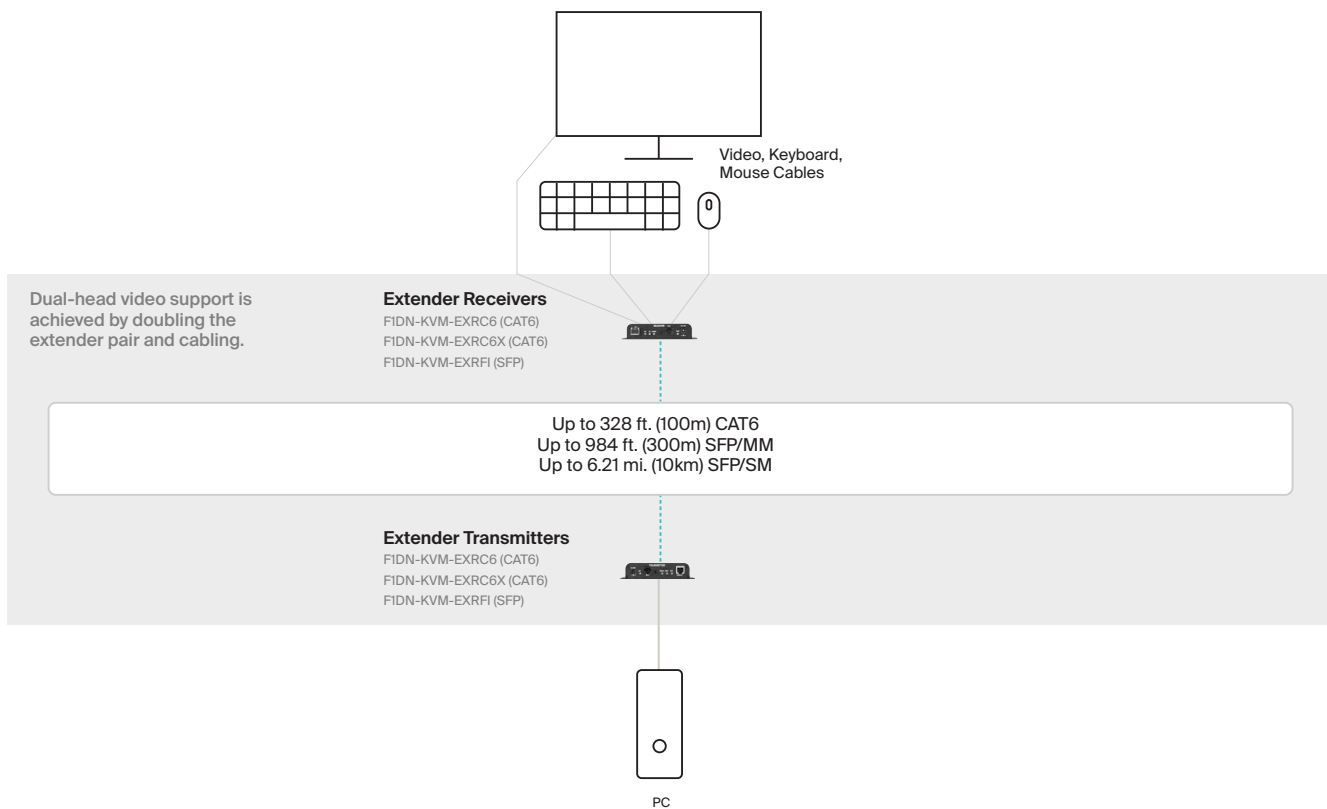
Product Views



Use Case – Security




Use Case – Distance



Specifications

No. of Sources	1	1	1
Extension Type	Copper	Copper	Fiber
Link Port	RJ45	RJ45	SFP
Extension Length	Up to 328 ft. (100m) CAT6 Up to 984 ft. (300m) SFP/MM Up to 6.21 mi. (10km) SFP/SM		
Power Requirements	12VDC		
AC Input	100 to 240 AC		
Power Type	External		
Made In	USA - TAA Compliant		
Product Life Cycle	10 years		
Warranty	3 years		
Dimensions	5.8 (W) x 4.2 (D) x 1.1 (H) in. / 145 (W) x 105 (D) x 28 (H) mm		
Weight	1.4 lbs. (0.64kg.)		
Operating Temperature	32° to 104° F (0° to 40° C)		
Storage Temperature	-4° to 140° F (-20° to 60° C)		
Humidity	0-80% RH, non-condensing		
Power Supply	Belkin Rack PSU 10 X 48VDC, with Rack-Mount Kit & 10 x Power Cables, for Extender Transmitter & Receiver Copper CAT6, PN F1DN-PSU-10P48V		Belkin Rack PSU 10 X 12VDC, with Rack-Mount Kit & 10 x Power Cables, for Extender Transmitter & Receiver Fiber SFP, PN F1DN-PSU-10P12V
Rack Mount	Belkin Extender Rack Kit for 10 units with Mounting Plates & Screws, PN F1DN-RK10-4U		
Product Certification	CE, RCM, FCC class B, VCCI, TUV US, TUV Canada		
Max Output Resolution	Supporting UHD 4K resolutions up to 3840x2160 @ 60Hz 4:2:0 Up to 100m*	Supporting UHD 4K resolutions up to 3840x2160 @ 60Hz 4:4:4 Up to 100m*	Supporting UHD 4K resolutions up to 3840x2160 @ 60Hz 4:2:0 Up to 100m **
Receiver Part Number	F1DN-KVM-EXRC6	F1DN-KVM-EXRC6X	F1DN-KVM-EXRFI
Console Ports	Display	1x DP/HDMI 2.0	
	Mouse And Keyboard	2 x USB Type-A 2.0	
	Audio Out	3.5mm	
	IR Remote	Mini PL (IN)	
	RCU	RJ14 (OUT)	
	Max Output Resolution	UHD 4K 3840 x 2160 @ 60Hz 4:2:0	UHD 4K 3840 x 2160 @ 60Hz 4:4:4
Transmitter Part Number	F1DN-KVM-EXTC6	F1DN-KVM-EXTC6X	F1DN-KVM-EXTFI
Computer Ports	Display	1x DP/HDMI 2.0	
	Mouse and Keyboard	USB Type-B 2.0	
	Audio Out	3.5mm jack	
	IR Remote	Mini PL (OUT)	
	RCU	RJ14 (IN)	
	Supported OS	Windows, Linux, Mac	
Max Output Resolution	UHD 4K 3840 x 2160 @ 60Hz 4:2:0	UHD 4K 3840 x 2160 @ 60Hz 4:4:4	UHD 4K 3840 x 2160 @ 60Hz 4:2:0

Accessories

Part Number	Image	Part Number	Image
F1DN008KBD		F1DN-RK10-4U	
F1DN-MOD-REM2, F1DN-MOD-REM4, F1DN-MOD-REM8		F1DN005U, F1DN008U	
F1DN-PSU-10P12V, F1DN-PSU-10P48V			

Learn more about Belkin's cybersecurity solutions.



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