



HSL KVM EXTENDERS

Enable long-distance extension of computer video, audio, keyboard/mouse, and IR remote signals, using high performance HDBaseT technology.

PART NUMBER	FKCE11PH-N	FKCE11PHEC-N	FKFE11PH-N	FKFE11P-N	FKCE11PH60-N	FKFE11PHU60-N	UMCE10N-N
No. of Sources	1	1	1	1	1	1	1
Extension type	Copper	Copper	Fiber	Fiber	Copper	Fiber	Copper
Link Port	RJ45	RJ45	SFP* Data speed: 1.25 Gbps Wavelength: 1300nm Fiber optical connector: LC Single mode Fiber [Supports OM2 and OM3 fibers]		RJ45	SFP* Data speed: 1.25 Gbps Wave length: 1300nm Fiber optical connector: LC Single mode Fiber	RJ45
RECEIVER UNIT (RX)	FKCE11PHR-N	FKCE11PHECR-N	FKFE11PHR-N	FKFE11PR-N	FKCE11PH60R -N	FKFE11PHU60R-N	N/A (KIT ONLY)
CONSOLE PORTS							
Displays/Projectors ports	1 x DP/HDMI	1 x DP/HDMI	1 x DP/HDMI	1 x DP	1 x DP/HDMI	1xDP/HDMI	N/A
Max Output Resolution	Supporting UHD 4K resolutions up to 3840x2160 @ 30Hz Up to 100m**	UHD 4K resolutions up to 3840x2160 @ 30Hz Up to 70m**	Supporting UHD 4K resolutions up to 3840x2160 @ 30Hz Up to 10km***		Supporting UHD 4K resolutions up to 3840x2160 @ 60Hz Up to 100m**	UHD 4K resolutions up to 3840x2160 @ 60Hz Up to 10Km***	N/A
USB Ports	2 x USB 2.0 Type A	2 x USB 2.0 Type A	2 x USB 2.0 Type A		2 x USB 2.0 Type A	1 x USB 2.0 Type A, 2 x USB HID Type A	1 x USB 2.0 Type A 480MBPS
Audio OUT Jack	3.5 mm Jack	N/A	3.5 mm Jack		3.5 mm Jack	3.5mm Jack	N/A
IR Remote Port	Mini PL (IN)	Mini PL (IN)	Mini PL (IN)		Mini PL (IN)	Mini PL (IN)	N/A
RS232	RJ 14 (OUT)	Terminal Block	RJ 14 (OUT)		RJ 14 (OUT)	Terminal Block	N/A
TRANSMITTER UNIT (TX)	FKCE11PHT-N	FKCE11PHECT-N	FKFE11PHT-N	FKFE11PT-N	FKCE11PH60T-N	FKCE11PHU60T-N	N/A (KIT ONLY)
COMPUTER PORTS							
Displays Type	1 x DP/HDMI	1 x DP/HDMI	1 x DP/HDMI	1 x DP	Output: 1 x DP/HDMI Console: 1 x HDMI	1 x DP/HDMI	N/A
Max Output Resolution	Supporting UHD 4K resolutions up to 3840x2160 @ 30Hz Up to 100m*	UHD 4K resolutions up to 3840x2160 @ 30Hz Up to 70m**	Supporting UHD 4K resolutions up to 3840x2160 @ 30Hz Up to 100m*		Supporting UHD 4K resolutions up to 3840x2160 @ 60Hz Up to 100m*	Supporting UHD 4K resolutions up to 3840x2160 @ 60Hz Up to 10Km***	N/A
Mouse and Keyboard	USB 2.0 TYPE B	USB 2.0 TYPE B	USB 2.0 TYPE B		USB 2.0 TYPE B	1 X USB 2.0 TYPE B, 1 X USB HID TYPE B	USB2.0 Mini B (cable included)
Audio OUT Jack	3.5 MM JACK	N/A	3.5 MM JACK		3.5 MM JACK	3.5 MM JACK	N/A
IR Remote Port	MINI PL (OUT)	MINI PL (OUT)	MINI PL (OUT)		MINI PL (OUT)	MINI PL (OUT)	N/A
RCU	RJ14 (IN)	Terminal Block	RJ14 (IN)		RJ14 (IN)	Terminal Block	N/A
POWER (TX/RX)							
PoE	Yes	PoC	No		Yes	No	No
Power Requirements	Transmitter: 48V DC Receiver: 12V DC optional	Transmitter: 12V DC Receiver: 12V DC optional	12V DC		Transmitter: 48V DC Receiver: 12V DC optional	Transmitter: 12V DC, Receiver 12 V DC	5V DC via USB mini B port
AC Input	100 to 240 AC	100 to 240 AC	100 to 240 AC		100 to 240 AC	100 to 240 AC	N/A
Power Type	External	External	External		External	External	External (optional)

* Max distance can be extended by replacing the SFP module used.
 ** Depends on the type and quality of the CATx cable.
 *** Depends on the GBIC type

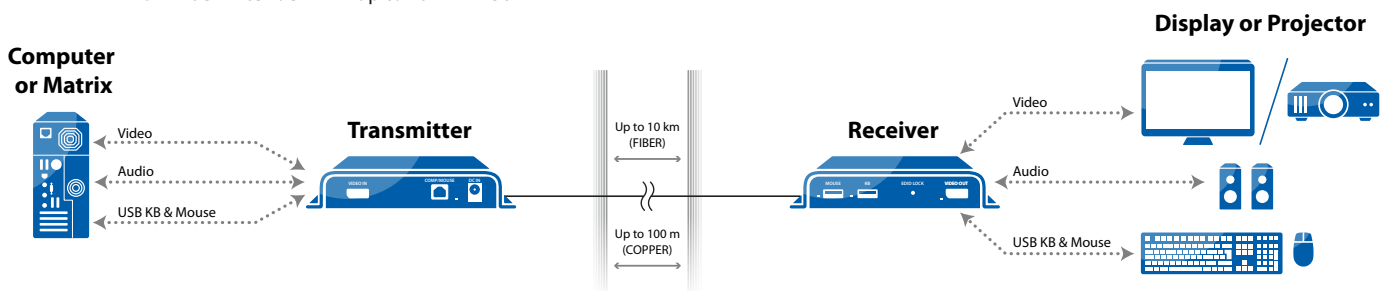


PHYSICAL SPECIFICATION

PART NUMBER	FKCE11PH-N / FKCE11PHEC-N / FKFE11PH-N / FKFE11PH-N / FKCE11PH60-N	FKFE11PHU60-N	UMCE10N-N
PHYSICAL DIMENSIONS			
Dimensions	145 (W) x 105 (D) x 28 (H) mm / 5.8 (W) x 4.2 (D) x 1.1 (H) inch (Transmitter and Receiver)	140 (W) X 210 (D) X 28 (H) mm 5.5 (W) X 8.3 (D) x 1.1 (H) inch (Transmitter & Receiver)	28 (W) x 60 (D) x 17 (H) mm / 1.1 (W) x 2.4 (D) x 0.7 (H) inch
Weight	0.64 kg (1.4 lbs) (Transmitter and Receiver)	1.1 kg (2.4 lbs) Transmitter and Receiver	0.02 kg (0.05 lbs)
ENVIRONMENTAL			
Operating Temperature	32°F to 104°F (0°C to 40°C)		
Storage Temperature	-4°F to 140°F (-20°C to 60°C)		
Humidity	0%-80% RH, non-condensing		
SOFTWARE			
Supported OS	Windows, Linux, Mac		
CERTIFICATION			
Product Certification	CE, RCM, FCC class B, VCCI, TUV US, TUV Canada		
GENERAL INFO			
Made In	ISRAEL		
Product life-cycle	10 years		
Warranty	2 Years		

Extender models addressed in this diagram:

- FKCE11PH-N - DP/HDMI Copper Extender KVM up to 100 meters 4K 30hz
- FKCE11PH60-N - DP/HDMI Copper Extender KVM up to 100 meters 4K 60hz
- FKFE11PH-N - DP/HDMI Fiber Extender KVM up to 10KM 4K 30Hz
- FKFE11P-N - DP Fiber Extender KVM up to 10KM 4K 30Hz



Extender model addressed in this diagram:

- UMCE10N-N - USB 2.0 Copper Extender 100 meter

