



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

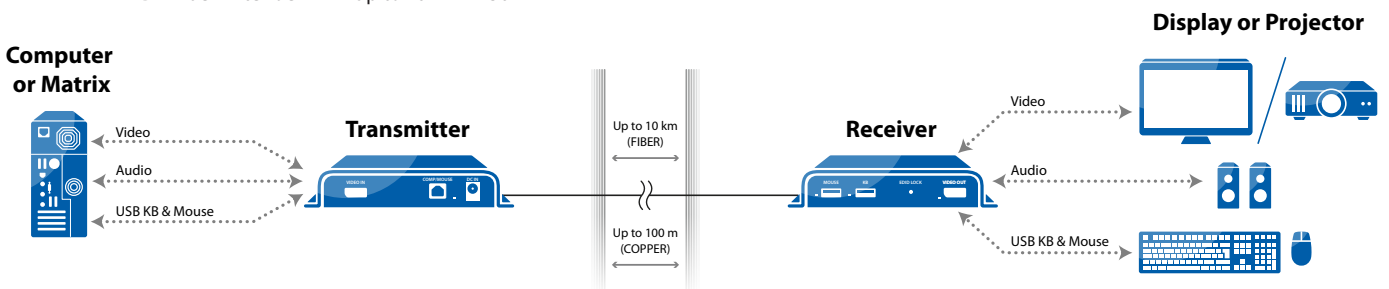


## PHYSICAL SPECIFICATION

PART NUMBER	FKCE11PH-N	FKCE11PHEC-N	FKFE11PH-N	FKFE11P-N	FKCE11PH60-N	UMCE10N-N
<b>PHYSICAL DIMENSIONS</b>						
<b>Dimensions</b>	145 (W) x 105 (D) x 28 (H) mm / 5.8 (W) x 4.2 (D) x 1.1 (H) inch (Transmitter and Receiver)				28 (W) x 60 (D) x 17 (H) mm / 1.1 (W) x 2.4 (D) x 0.7 (H) inch	
<b>Weight</b>	0.64 kg (1.4 lbs) (Transmitter and Receiver)				0.02 kg (0.05 lbs)	
<b>ENVIRONMENTAL</b>						
<b>Operating Temperature</b>	32°F to 104°F (0°C to 40°C)				32°to 104°F (0°to 40°C)	
<b>Storage Temperature</b>	-4°F to 140°F (-20°C to 60°C)				-4°to 140°F (-20°to 60°C)	
<b>Humidity</b>	0%-80% RH, non-condensing				0-80% RH, non-condensing	
<b>SOFTWARE</b>						
<b>Supported OS</b>	Windows, Linux, Mac				Windows, Linux, Mac	
<b>CERTIFICATION</b>						
<b>Product Certification</b>	CE, RCM, FCC class B, VCCI, TUV US, TUV Canada				CE, RCM, FCC class B, VCCI, TUV US, TUV Canada	
<b>GENERAL INFO</b>						
<b>Made In</b>	ISRAEL				ISRAEL	
<b>Product life-cycle</b>	10 years				10 years	
<b>Warranty</b>	2 Years				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

