



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	FKCE11PH60-N	UMCE10N-N
No. of Sources	1	1	1	1	1
Extension type	Copper	Copper	Fiber	Copper	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	RJ45
RECEIVER UNIT (RX)	FKCE11PHR-N	FKCE11PHECR-N	FKFE11PHR-N	FKCE11PH60R -N	N/A (KIT ONLY)
CONSOLE PORTS					
Displays/Projectors ports	1x DP/HDMI	1x DP/HDMI	1x DP/HDMI	1x DP/HDMI	N/A
Max Output Resolution	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
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 480MBPS
Audio OUT Jack	3.5 mm Jack	3.5 mm Jack	3.5 mm Jack	3.5 mm Jack	N/A
IR Remote Port	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)	N/A
TRANSMITTER UNIT (TX)	FKCE11PHT-N	FKCE11PHECT-N	FKFE11PHT-N	FKCE11PH60T-N	N/A (KIT ONLY)
COMPUTER PORTS					
Displays Type	1 x DP/HDMI	1 x DP/HDMI	1 x DP/HDMI	Output: 1 x DP/HDMI Console: 1 x HDMI	N/A
Max Output Resolution	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
Mouse and Keyboard	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)
Audio OUT Jack	3.5 MM JACK	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)	N/A
RCU	RJ14 (IN)	Terminal Block	RJ14 (IN)	RJ14 (IN)	N/A
POWER (TX/RX)					
PoE	Yes	PoC	No	Yes	No
Power Requirements	Transmitter: 48V DC Receiver: 12V DC optional	Transmitter: 48V DC Receiver: 12V DC optional	12V DC	Transmitter: 48V DC Receiver: 12V DC optional	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	N/A
Power Type	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

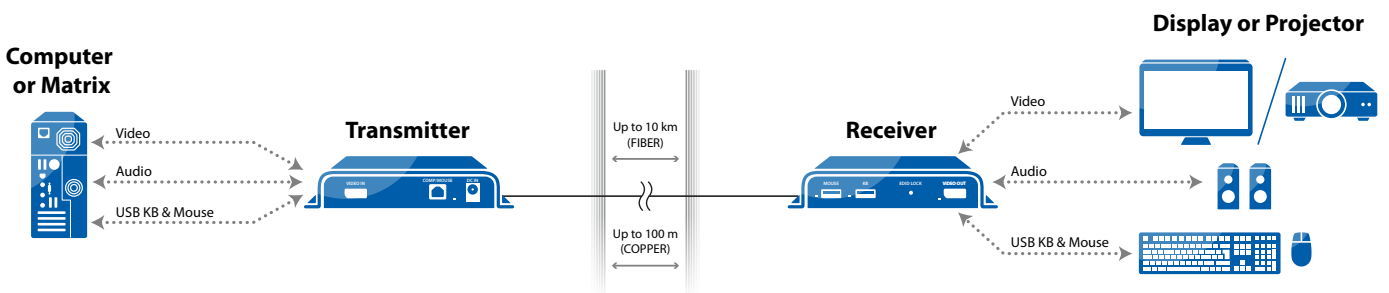


PHYSICAL SPECIFICATION

PART NUMBER	FKCE11PH-N	FKCE11PHEC-N	FKFE11PH-N	FKCE11PH60-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)			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)			0.02 kg (0.05 lbs)	
ENVIRONMENTAL					
Operating Temperature	32°F to 104°F (0°C to 40°C)			32° to 104°F (0° to 40°C)	
Storage Temperature	-4°F to 140°F (-20°C to 60°C)			-4° to 140°F (-20° to 60°C)	
Humidity	0%-80% RH, non-condensing			0-80% RH, non-condensing	
SOFTWARE					
Supported OS	Windows, Linux, Mac			Windows, Linux, Mac	
CERTIFICATION					
Product Certification	CE, RCM, FCC class B, VCCI, TUV US, TUV Canada			CE, RCM, FCC class B, VCCI, TUV US, TUV Canada	
GENERAL INFO					
Made In	ISRAEL			ISRAEL	
Product life-cycle	10 years			10 years	
Warranty	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



Extender model addressed in this diagram:

- UMCE10N-N - USB 2.0 Copper Extender 100 meter

