

# HDBaseT Fiber-Copper Bridge Kit Product Brief

Extending 8Gbps HDBaseT traffic over a fiber link

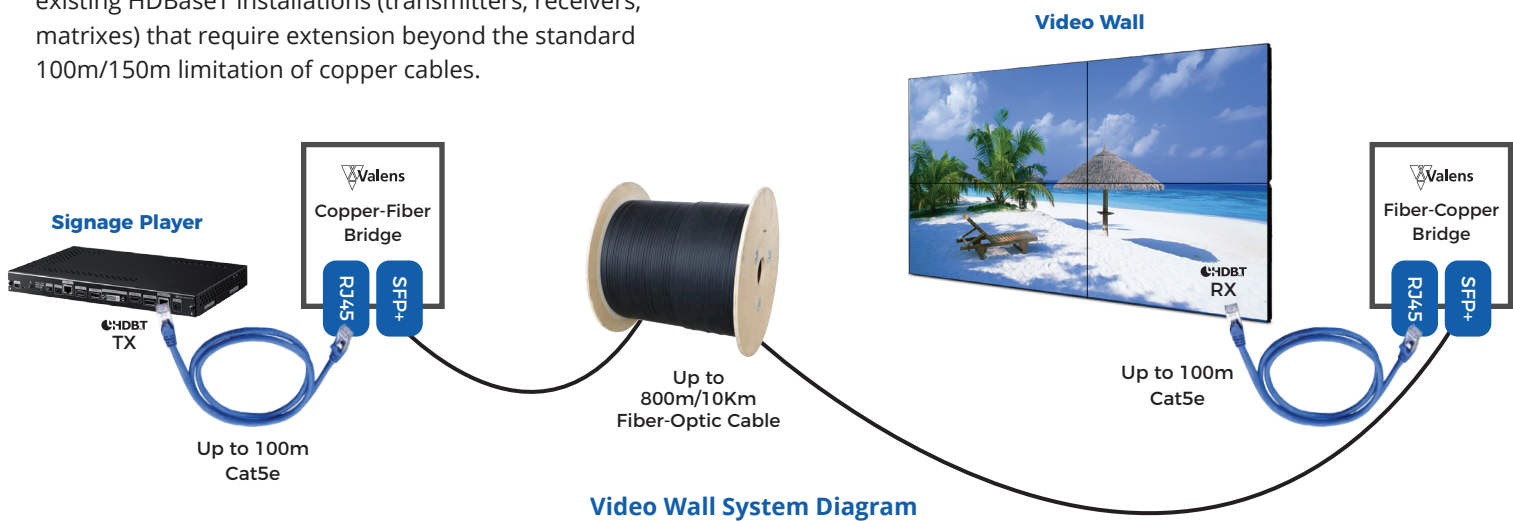
## Overview

Valens HDBaseT Fiber-Copper Bridge Kit supports extension of HDBaseT link over SFP+ Multi-mode or Single-mode fiber optic transceiver to distances of up to 800 meters/10 kilometers respectively.

The HDBaseT Fiber-Copper Bridge allows for distribution of ultra-high definition video with resolutions of up to 4K2K@30Hz 4:4:4 or 4K2K@60Hz 4:2:0, including HDCP support alongside with audio, 100Mbps Ethernet, USB2.0 and controls.

The Fiber-Copper Bridge Kit is ideal for a variety of existing HDBaseT installations (transmitters, receivers, matrixes) that require extension beyond the standard 100m/150m limitation of copper cables.

The kit is comprised of two products: a copper-fiber bridge connected to an HDBaseT transmitter, and a fiber-copper bridge connected to an HDBaseT receiver. The two bridge products are connected over a long-distance fiber-optic cable. The units are RoHS-compliant, CE/FCC-certified, and were designed to adhere to strict EMC and safety requirements of leading certification bodies.



Video Wall System Diagram

### Copper-Fiber Bridge



### Fiber-Copper Bridge



### The Kit includes:

- 1 Copper-Fiber Bridge
- 1 Fiber-Copper Bridge
- 2 External power supplies (12 VDC/1.5 A)
- 2 SFP+ multi-mode or single-mode optical transceiver
- 1 Optical cable – 5 meters (for testing purposes)
- Mechanical mount

## Key Technical Highlights

<b>HDBaseT link bandwidth</b>	Main	8Gbps
	Auxiliary	300Mbps
<b>Range</b>	Multi-mode SFP+	800 meters
	Single-mode SFP+	10 kilometers
<b>Input</b>	Copper-Fiber Bridge	RJ45
	Fiber-Copper Bridge	SFP+ cage
<b>Output</b>	Copper-Fiber Bridge	SFP+ cage
	Fiber-Copper Bridge	RJ45
<b>Supported interfaces extended over HDBaseT</b>	Video	HDMI1.4, HDMI2.0 up to 4K2K@60Hz 4:2:0
	Audio	I <sup>2</sup> S S/PDIF HDMI
	Ethernet	100Mbps
	USB2.0	Host/Device
	Controls	I <sup>2</sup> C, GPIO's, UART, CEC
<b>HDCP</b>		HDCP1.4 and 2.2
<b>LED indicators</b>		Power, Link, Video
<b>Power</b>		12VDC 1.5A
<b>Temperature</b>		40°C ambient
<b>Dimensions</b>	Without wall mount	110 x 204 x 35 mm
	With wall mount	152 x 204 x 35 mm
<b>Ordering Part Number</b>	Kit with no SFP+	EVS2-CFB1-KT-2311
	Kit with Multi Mode SFP+	EVS2-CFB1-KT-2311-M
	Kit with Single Mode SFP+	EVS2-CFB1-KT-2311-S