

## ct•fiber optic gateway

control wall plate

### Celerity Technology Fiber Optic HDMI & Multiple Control Signals

Celerity Fiber Optic Gateway (FOG) is a breakthrough for high definition, long distance distribution of AV and control signals over fiber optic cable. HDMI, RS232, IR, 10/100BASE-T Ethernet and USB HID are supported up to 1000 feet over a single Celerity fiber optic cable. The combination of these functions in a single gang, thin mounting depth of 1.55" wall plate with fiber optic connectivity provides superior performance, bandwidth and flexibility for AV professionals to design and install high performance content and control signal distribution systems.

Supporting 4K@60Hz HDMI performance, Celerity FOG delivers 100% pure signal integrity from point to point at exceptional speed. HDMI for high definition video and multi-channel audio; IR transmission for remote control; RS232 for system control; USB HID for KVM and other interactive applications; Ethernet to deliver content and/or IP control to a smartTV or other network device, can now all be supported with a single fiber optic cable and the Celerity FOG-TX and FOG-RX transmitter and receiver wall plates. Celerity FOG-TXWP and FOG-RXWP are sold separately.

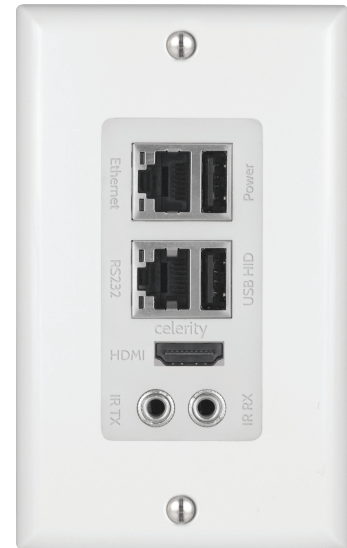
### Celerity Fiber Optic Gateway Cable – 2 Steps to Fiber Optic Control

With Celerity FOG, only 2 steps are required – pre-wire and connect. Using the Celerity mini digital connector on each end of the fiber optic cable, a fast and secure connection is made to the FOG-TXWP and FOG-RXWP. This saves time and ensures that ensures a perfect fiber connection is always available. The Celerity Fiber Optic Gateway cable includes a small module at each end of the cable which supports the connection between the FOG wall plates over the fiber. The small dimension of the mini digital connector makes it easy to pull through conduit and concealed spaces.

The Celerity Fiber Optic Gateway cable is plenum-rated to meet required safety specifications and building codes. The Celerity FOG Cable is available in lengths of 35' 40' 50' 60' 80' 100' 160' 200' 500' and 1000'. Custom lengths may be special-ordered. Celerity FOG cables are sold separately from the FOG-TXWP transmitter FOG-RXWP and receiver.

### Compact, thin-depth wall plate design

Providing the convenience of an architectural design for in-wall and recessed installations, the Celerity Fiber Optic Gateway Wall Plates have been designed to provide a small footprint, thin-depth fiber optic wall plate connection point. Suitable for in-wall mounting behind components, and located at in-room connection panels for classrooms, conference rooms and fixtures such as lecterns and table boxes, the Celerity FOG-TXWP and FOG-RXWP offer versatility for installation requirements. With a mounting depth of only 1.55" (40mm) and a single Celerity mini digital connector on the interior side, the FOG-WP may be installed efficiently and without the need for on-site fiber terminations.



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## Specifications

Function	FOG-TXWP Transmitter	FOG-RXWP Receiver
Celerity fiber optic cable input		Celerity mini digital
Celerity fiber optic cable output	Celerity mini digital	
Celerity fiber optic cable distance	up to 1000 ft	up to 1000 ft
HDMI input	HDMI Type-A	
HDMI output		HDMI Type-A
RS232	RJ45	RJ45
RS232 max baud rate	1 Mbps	1 Mbps
IR input (RX)	3.5mm TRS	3.5mm TRS
IR output (TX)	3.5mm TS	3.5mm TS
IR carrier frequency range	below 100 kHz	below 100 kHz
IR power	5V	5V
USB HID	USB Type-A	USB Type-A
Ethernet (RJ45 connector)	10/100BASE-T	10/100BASE-T
5V power	USB Type-A	USB Type-A
Internal power connector (2 conductor green Phoenix-type)	5V/1A	5V/1A
Supported resolutions	4K@60Hz UltraHD	4K@60Hz UltraHD
HDMI certification	HDMI High Speed	HDMI High Speed
HDMI data rate	18 Gbps	18 Gbps
HDCP v2.2	Yes	Yes
EDID pass-through	Yes	Yes
CEC	Yes	Yes
Power adapter	USB 5V/1A	USB 5V/1A
Power	DC5V 200mA	DC5V 200mA
Enclosure	Single gang decora	Single gang decora
Color	White	White
Dimensions (in & mm)	2.76" x 1.38" x 1.57" 70mm x 35mm x 40mm	2.76" x 1.38" x 1.57" 70mm x 35mm x 40mm
Mounting depth	1.55" / 40mm	1.55" / 40mm
Shipping weight (lbs & kg)	1 lb / 0.45 kg	1 lb / 0.45 kg

## Included Items

### Fiber Optic Gateway Transmitter (TX)

1 each:

FOG-TXWP  
 USB power cable (1.5m)  
 USB-AC power adapter (5V/1A)  
 IR emitter cable with 3.5mm plug (TS, 5V)  
 IR receiver cable with 3.5mm plug (TRS, 5V)  
 White Decora® trim plate  
 User guide

### Fiber Optic Gateway Receiver (RX)

1 each:

FOG-RXWP  
 USB power cable (1.5m)  
 USB-AC power adapter (5V/1A)  
 IR emitter cable with 3.5mm plug (TS, 5V)  
 IR receiver cable with 3.5mm plug (TRS, 5V)  
 White Decora® trim plate  
 User guide

## Fiber Optic Gateway Cable

### Available lengths

10.6m	35f	30.4m	100f
12.2m	40f	48.7m	160f
15.2m	50f	60.9m	200f
18.2m	60f	152.4m	500f
24.3m	80f	304.8m	1000f

### Custom lengths

Available in 50' (15.2m) increments from 250' to 950' (76.2m to 290m)

Fiber optic connector dimension: 8.2mm x 10.7mm x 25.5mm

