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## F676-IN2-F16

4K60 4:2:0 HDMI over Ultra-Reach MM/SM  
Fiber Optic Input Card

| Fiber Optic



F676-IN2-F16 is a high-performance HDMI fiber optic modular matrix input card for ultra-reach extension of 4K@60Hz (4:2:0) HDMI signals. Designed for the VS-1616DN-EM modular matrix, F676-IN2-F16 receives the transmitted optical signal from a compatible transmitter and converts it to an HDMI and RS-232 signals. F676-IN2-F16 includes 2 multi-mode SFP+ transceivers, but can be used with any Kramer certified SFP+ transceivers, such as single-mode SFP+ transceivers

### FEATURES

**High Performance Standard Fiber Extender** - HDMI fiber transmitter for providing ultra-reach signals over either multi-mode or single-mode optical fiber infrastructures, using Kramer pluggable OSP SFP+ units (multi-mode SFP+ included). Near-zero latency video chroma sub-sampling conversion technology, is employed to auto-adapt above 10G HDMI signals to 10G optical link signal data-rate. Note: To ensure specified performance, support, and warranty of this product, use only Kramer's certified hi-performance OSP SFP+ pluggable optical units

**HDMI Signal Extension** - HDCP 2.2 compliant and supports up to 10.2G (3.4G per channel) data rate, LPCM 7.1, Dolby True HD, and DTS-HD

**I-EDIDPro™ Kramer Intelligent EDID Processing™** - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems

**Bidirectional RS-232 Extension** - Serial interface data flows in both directions, to enable data transmission and control of devices

**Cost-Effective Maintenance** - Fiber link connection LEDs facilitate easy local troubleshooting



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## TECHNICAL SPECIFICATIONS

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Inputs	2 Fiber Optic: On LC connectors
Ports	2 RS-232: On a 3-pin terminal block connector
Video	Max Bandwidth: 10.2Gbps Max Resolution: 4096x2160@60Hz 4K@60 (4:2:0) HDMI Support: 10.2G (3.4G per channel) data rate, LPCM 7.1, Dolby True HD, and DTS-HD Content Protection: HDCP 2.2
Extension Line	Optical Fiber: Multi-mode (MM) or single-mode (SM) Optical Module: Kramer 10Gbps SFP+ IEEE 802.3ae compliant modules (MM is included)
Multi-mode Line	Compliance: G.651.1 OFNR fiber Max Reach over OM3 MM Fiber: 3km (1.8 miles)
Single-mode Line	Compliance: G.652D OFNR fiber Max Reach over OS1 SM Fiber: 33km (20.5 miles)
STANDARDS COMPLIANCE	Laser Safety Compliance Class 1  SFP Regulatory Certifications FDA CDRH 21 CFR 1040 and Laser Notice No. 50, UL and CUL EN60950-2:2007, RoHS6, EMC EN 55022 and EN 55024, IEC 62368-1 and IEC 60825-1 and -2
Extended RS-232	Baud Rate: 300 to 115200
User Interface	Indicators: optical link LEDs
Power	Consumption: 9W
Environmental Conditions	Operating Temperature: 0° to +40°C (32° to 104°F) Storage Temperature: -40° to +70°C (-40° to 158°F) Humidity: 10% to 90%, RHL non-condensing
Regulatory Compliance (Standards Compliance)	Safety: CE, UL  Environmental: RoHs, WEEE
Accessories	Included: 2 MM SFP+ transceivers
Product Dimensions	19.00cm x 13.00cm x 2.00cm (7.48" x 5.12" x 0.79" ) W, D, H
Product Weight	0.2kg (0.4lbs) approx
Shipping Dimensions	24.00cm x 16.80cm x 5.80cm (9.45" x 6.61" x 2.28" ) W, D, H
Shipping Weight	0.3kg (0.6lbs) approx