



Active Optical Cable & Transceivers



DisplayPort 1.4



USB 3.2



Applications:

- Data Center
- Video Collaboration
- Virtual Reality
- Cloud & Enterprise
- Medical Imaging
- Machine Vision
- ESports Arena
- Broadcasting
- 5G & Edge
- Supercomputing & HPC



HDMI 2.1

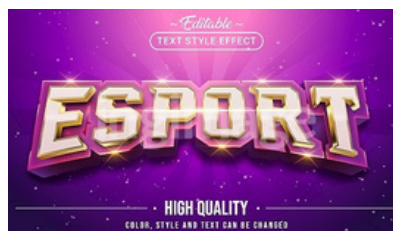


AOC
400G/100G/40G/25G/10G



12G SDI

- SDI Transceivers for Video Broadcasting
- Transceiver/AOC Supports Datacom and IP Video Streaming



AOC & Transceivers for Video Transmission

USB

Part Name	Description	Length	Electrical Connector	Temperature
CAC-HA1AE-1-###-FR1	USB 3.2 Gen. 2 (10Gbps), Hybrid AOC	###: 001-050 (1-50m)	USB A/M to MB/M	0-50°C
CAC-HA1AF-1-###-FR1	USB 3.2 Gen. 2 (10Gbps), Hybrid AOC	###: 001-050 (1-50m)	USB A/M to MB/M w. screw	0-50°C
CAC-HA1AA-1-###-FR1	USB 3.2 Gen. 2 (10Gbps), Hybrid AOC	###: 001-050 (1-50m)	USB A/M to A/M	0-50°C
CAC-HA1CC-1-###-FR1	USB 3.2 Gen. 2 (10Gbps), Hybrid AOC	###: 001-050 (1-50m)	USB C/M to C/M	0-50°C
CAC-HA1AC-1-###-FR1	USB 3.2 Gen 2 (10Gbps), CL2-rated cable, Hybrid AOC	###: 001-050 (1-50m)	USB A/M to C/M	0-50°C
CAB-HA1A1-1-###-FR1	USB 3.0 (5Gbps), CL2-rated Cables, Hybrid AOC	###: 001-050 (1-50m)	USB A/M to A/F	0-50°C
CAC-HA1A1-1-###-FR1	USB 3.2 Gen 2 (10Gbps), CL2-rated cable, Hybrid AOC	###: 001-050 (1-50m)	USB A/M to A/F	0-50°C
CAC-HA1AA-1-###-FR1	USB 3.2 Gen 2. (10Gbps), CL2-rated cable, Hybrid AOC	###: 001-050 (1-50m)	USB A/M to A/M	0-50°C
CAC-AA1AA-1-###-FR1	USB 3.2 Gen. 2 (10Gbps), All-Fiber AOC	###: 001-100 (1-100m)	USB A/M to A/M	0-50°C
CAC-AA1CC-1-###-FR1	USB 3.2 Gen 2. (10Gbps), CL2-rated cable, All-Fiber AOC	###: 001-100 (1-100m)	USB C/M to C/M	0-50°C

HDMI

Part Name	Description	Length	Connector	Temperature
CA2-HA1HH-1-###-FR1	HDMI 2.0 (18Gbps), Hybrid AOC	###: 001-150 (1-150m)	HDMI A/M to A/M	0-50°C
CA3-HA1HH-1-###-FR1	HDMI 2.1 (48Gbps) CL2-rated Cables, Hybrid AOC	###: 001-150 (1-150m)	HDMI A/M to A/M	0-50°C
CD3-AB1HH-1-###-FR1	HDMI 2.1 (48Gbps), Dongle both ends	###: C06-C99 (6-99cm or 001-300 (1-300m))	HDMI A/M to A/M	0-50°C
CF3-AB1H1-1-###-FR1	HDMI 2.1 (48Gbps), pigtail, All fiber, 8KH-TX/RX	###: C06-C99 (6-99cm or 001-300 (1-300m))	HDMI A/M to MPO	0-50°C
CF3-AB3H1-1-###-FR1	HDMI 2.1 (48Gbps), pigtail, All fiber, 8KH-TX	###: C06-C99 (6-99cm or 001-300 (1-300m))	HDMI A/M to MPO	0-50°C
CG3-AB2H1-1-###-FR1	HDMI 2.1 (48Gbps), pigtail, All fiber, 8KH-RX	###: C06-C99 (6-99cm or 001-300 (1-300m))	HDMI A/M to MPO	0-50°C

DisplayPort

Part Name	Description	Length	Connector	Temperature
CA1-HA1DD-1-###-FR1	DisplayPort 1.4, Hybrid AOC, Type A/Male to Type A/Male	###: 001-015 (1-15m)	DisplayPort	0-50°C
CA1-AA1DD-1-###-FR1	DisplayPort 1.4, All-Fiber AOC, Type A/Male to Type A/Male	###: C08-C99 (8cm-99cm) / ###: 001-050 (1m-50m)	DisplayPort	0-50°C
CE1-AA1A1-1-###-FR1	DisplayPort 1.4 pigtail, All fiber, TX/RX	###: C08-C99 (8cm-99cm) / ###: 001-050 (1m-50m)	DP to MPO	0-50°C
CE1-AA3A1-1-###-FR1	DisplayPort 1.4 pigtail, All fiber, TX	###: C08-C99 (8cm-99cm) / ###: 001-050 (1m-50m)	DP to MPO	0-50°C
CE1-AA2A1-1-###-FR1	DisplayPort 1.4 pigtail, All fiber, RX	###: C08-C99 (8cm-99cm) / ###: 001-050 (1m-50m)	DP to MPO	0-50°C
CF1-AA1A1-1-###-FR1	DisplayPort 1.4 pigtail, Dongle at host end, All fiber, TX/RX	###: C08-C99 (8cm-99cm) / ###: 001-050 (1m-50m)	DP to MPO	0-50°C
CF1-AA3A1-1-###-FR1	DisplayPort 1.4 pigtail, Dongle at host end, All fiber, TX	###: C08-C99 (8cm-99cm) / ###: 001-050 (1m-50m)	DP to MPO	0-50°C
CF1-AA2A1-1-###-FR1	DisplayPort 1.4 pigtail, Dongle at host end, All fiber, RX	###: C08-C99 (8cm-99cm) / ###: 001-050 (1m-50m)	DP to MPO	0-50°C

Extender Box

Part Name	Description
VS3-H1H1B-DM1-FR1	Video transceiver box (All fiber extender for HDMI, audio, RS232, IR, USB 2.0, TOSLINK, and Ethernet, via control box)
VT3-H1H1B-DM1-FR1	Video transmitter box (All fiber extender for HDMI, audio, RS232, IR, USB 2.0, TOSLINK, and Ethernet, via control box)
VR3-H1H1B-DM1-FR1	Video receiver box (All fiber extender for HDMI, audio, RS232, IR, USB 2.0, TOSLINK, and Ethernet, via control box)

12G SDI

Part Name	Description	Distance	Optical Connector	Temperature
TIM-A1EB1-F16	1T1R	10km	LC	0-70°C
TIM-A2EB1-F16	1T1R	10km	LC	-40-85°C
TIM-A2E61-F16	1T	10km	LC	-40-85°C
TIM-A2EO1-F16	1R	10km	LC	-40-85°C
TIN-A2E61-F16	2T	10km	LC	-40-85°C
TIN-A2EO1-F16	2R	10km	LC	-40-85°C

All Fiber



HDMI



DisplayPort



SFP+ SDI

Hybrid Cable



HDMI



DisplayPort



USB

• All products RoHS Compliant



• TAA Compliant

Formerica Headquarter

Tel: +886-3-560-0286

Fax: +886-3-560-0239

Email: inquiry@formericaoe.com



2022A Version

Formerica North America

Dave Wagner

Cell: +1 949-466-8069

Email: dave.wagner@formericaoe.com

Address: 5F-11, No.38, Taiyuan St., Zhubei City, Hsinchu County 30265, Taiwan (R.O.C)