

Display-Port AOC

OVERVIEW



Luxshare-TECH Display-Port 1.4 active optical cable assembly can provide good performance and quality.

Luxshare-TECH AOC can support up to 8K video display, each lane operates 8.1Gbps, which the total bandwidth is 32.4Gbps. Compliant to link with all DP Type connector devices. And all the design is based on the industry standard specifications, such as DP1.4.

FEATURES & BENEFITS

- Composed of optical fiber for added flexibility, making them thinner and lighter
- Compliant to link with all Display-Port Type connector or interface devices
- Compliant with DP1.4 HBR3 /1.2 version
- Pluggable and hot-swappable
- Data rate: 32.4Gbps (8.1Gbps per channel)
- Support 8K / 4K / 1080p / 720p format
- Support AUX / HPD
- ROHS Compliant

PRODUCT APPLICATIONS

DVR
 Blu-Ray
 Projector
 Video games
 Video surveillance
 Face recognition system
 Multi-media transmission
 Computers/Mobile to Full HD Display

TECHNICAL INFORMATION

MATERIAL

Nickel plated zinc die cast shells & latching
 Mechanism parts
 Thermoplastic cable pull tab
 Optical plastic lens
 Optical fibre cable

ELECTRICAL PERFORMANCE

Power Supply Voltage: 3.3V
 Power Consumption: 800mW
 Transmitter Type: VCSEL
 Receiver Type: PIN
 Bit Error Rate: 32.4Gbps

MECHANICAL PERFORMANCE

Application: Indoor
 Color: Orange or Aqua

ENVIRONMENTAL

Storage Temperature Range: -20°C to +70°C
 Operating Temperature Range: -10°C to +60°C

SPECIFICATION

Compliant with DP1.4 HBR3 /1.2 version
 ROHS Compliant
 ES-12-00-0034

Partial PN Table

PN	Form Factor	Data Rate	Media	Distance①(m)	Wavelength(nm)	Voltage(V)	Temp
PA0BB1601-CS-R	DP1.4	32.4Gbps	MMF	10m	850m	3.3	-10/+60°C
PA0BB1602-CS-R	DP1.4	32.4Gbps	MMF	15m	850m	3.3	-10/+60°C
PA0BB1701-CS-R	DP1.4	32.4Gbps	MMF	20m	850m	3.3	-10/+60°C
PA0BB1801-CS-R	DP1.4	32.4Gbps	MMF	30m	850m	3.3	-10/+60°C
PA0BB1901-CS-R	DP1.4	32.4Gbps	MMF	40m	850m	3.3	-10/+60°C
PA0BB1911-CS-R	DP1.4	32.4Gbps	MMF	50m	850m	3.3	-10/+60°C
PA0BB1902-CS-R	DP1.4	32.4Gbps	MMF	60m	850m	3.3	-10/+60°C
PA0BB1903-CS-R	DP1.4	32.4Gbps	MMF	70m	850m	3.3	-10/+60°C
PA0BB1904-CS-R	DP1.4	32.4Gbps	MMF	80m	850m	3.3	-10/+60°C
PA0BB1905-CS-R	DP1.4	32.4Gbps	MMF	90m	850m	3.3	-10/+60°C
PA0BB1906-CS-R	DP1.4	32.4Gbps	MMF	100m	850m	3.3	-10/+60°C