2026

OPTICORE
PRODUCT CATALOGUE

Aug.

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PRODUCT CATALOGUE

OptiCore designs, develops and produces the highest quality optical solutions for wireless & transmission networks, data centers and edge/cloud computing applications since its foundation in 2016. OptiCore's optical transceivers and WDM passive devices have been widely used for wireless fronthaul and backhaul applications in the leading MNOs in Korea. In the courses of its growth, OptiCore has built comprehensive domain knowledge and technical capabilities for the optical communication industry. It's products and solutions are tailor-made for optimal field performance with highest quality and scalable economics, in which help customers ensure continuous network operations.

OPTICORE

OptiCore Inc. is the nation's leading optical transceiver, optical multiplexer, and optical component manufacturer that provides solutions in the field of communications. We are dedicated to design, development, and production by forming an excellent organization to provide products that customers can trust. We are passionate about offering reliable products, improved quality, and efficient solutions based on our experience.

All of our product quality is ensured by our technical experts with each having more than 15 years of experience, excellent R&D capabilities and strict quality control procedures. OptiCore Inc. provides customized services tailored to customer needs and continuously improves the quality and reliability of products and services.

Reliable Quality

Carrier-grade Quality
Lower Field Failure Rate,
Local Support & depot

Public Company

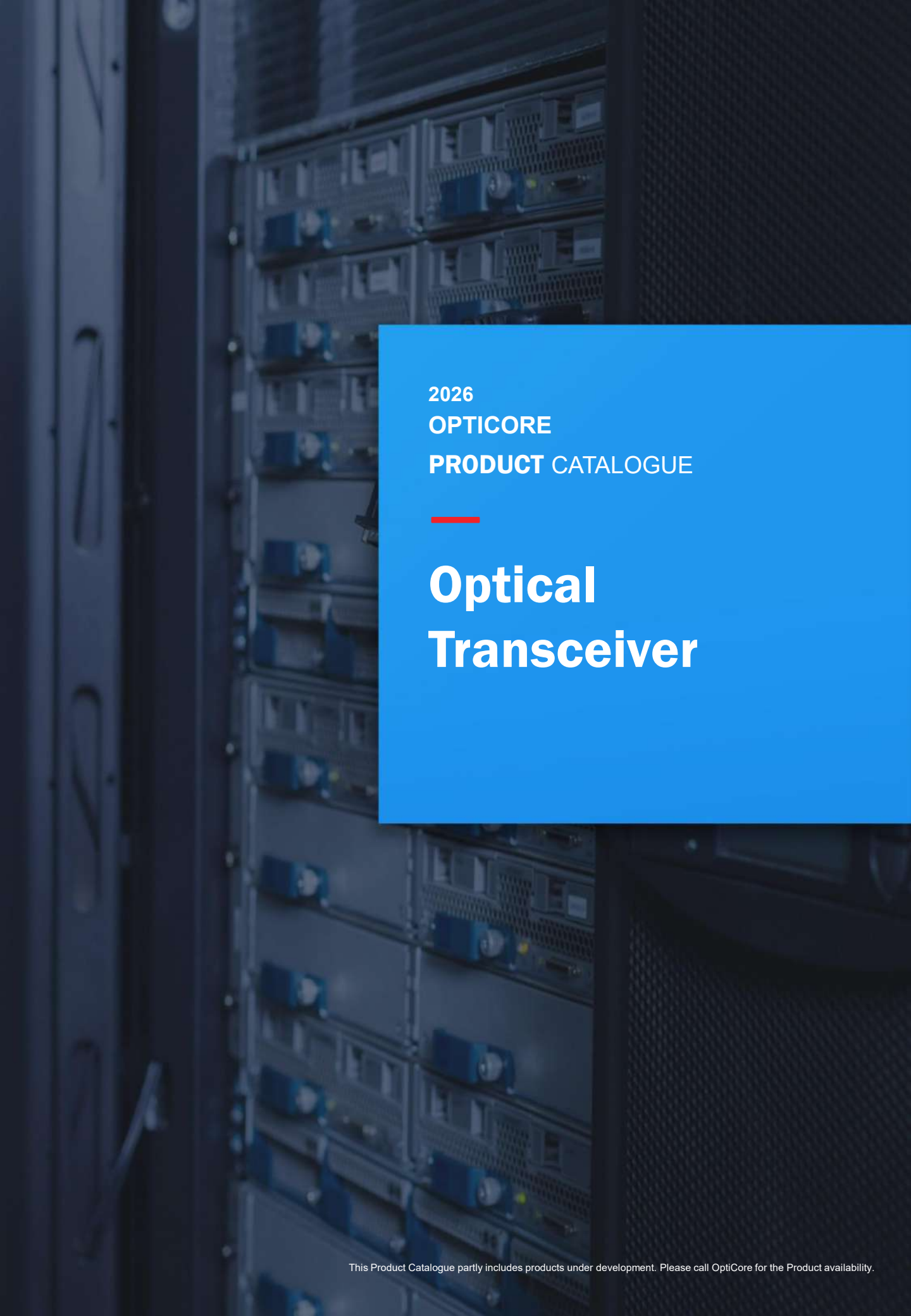
Listed in KOSDAQ (2022)
(CODE: 380540)
Founded in 2016

Core Technology

Lasers, Optical Engines, Transceivers/WDM MUX
In-house Development

Stable Supply Chain

Multiple production bases in **Korea, China, and SEA***
Strategic relationships with Key suppliers
* In Plan



2026

OPTICORE

PRODUCT CATALOGUE

Optical Transceiver

This Product Catalogue partly includes products under development. Please call OptiCore for the Product availability.

1.6T/800G OSFP

PRODUCTS

OSFP – 1.6Tbps 2 x DR4

Features

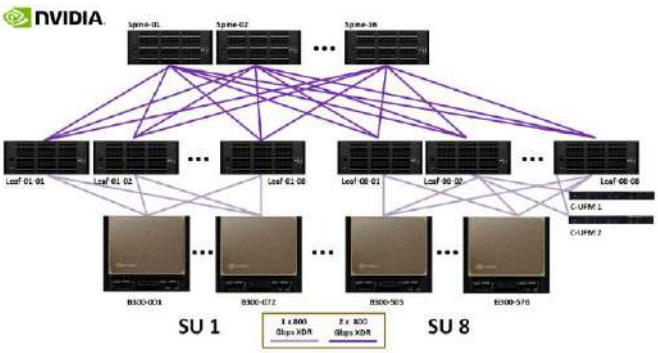
- 1.6Tbps InfiniBand XDR Silicon Photonics Transceiver
- 8 X 212Gbps PAM4 electrical interface
- Dual 4 X 212Gbps PAM4 Optical interface
- Test the compatibility on Nvidia Q3400-RA Switch
- Power Consumption : < 25W
- InfiniBand and Ethernet

OSFP – 800Gbps DR4

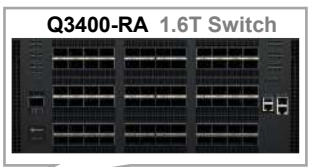
Features

- 800Gbps InfiniBand XDR Silicon Photonics Transceiver
- 4 X 212Gbps PAM4 electrical interface
- Single 4 X 212Gbps PAM4 Optical interface
- Average Launch Power, each lane : -3.1~ +4.0dBm
- Power Consumption : < 16W
- InfiniBand and Ethernet

Data Rate	Package	Type	Part Number	Distance	Wavelength	Tx	Rx	Connector	Cable
1.6Tb/s	OSFP	2 x DR4	OFMDO-CSMPS31	500m	1310nm	SiPh	PIN	Dual MPO-12/APC	SMF
800Gb/s	OSFP	DR4	ORMDQ-CSMPS31	500m	1310nm	SiPh	PIN	MPO-12/APC	SMF



Compute fabric for full 576-node DGX SuperPOD



Refer to NVIDIA SuperPOD with DGX B300 Systems, NVIDIA Quantum-X800 InfiniBand switching and AC Power Reference Architecture

DGX B300

1.6T/800G OSFP

PRODUCTS

OSFP – 1.6Tbps 2 x DR4

Features

- 1.6Tbps InfiniBand XDR Silicon Photonics Transceiver
- 8 X 212Gbps PAM4 electrical interface
- Dual 4 X 212Gbps PAM4 Optical interface
- Test the compatibility on Nvidia Q3400-RA Switch
- Power Consumption : < 25W
- InfiniBand and Ethernet

OSFP – 800Gbps DR4

Features

- 800Gbps InfiniBand XDR Silicon Photonics Transceiver
- 4 X 212Gbps PAM4 electrical interface
- Single 4 X 212Gbps PAM4 Optical interface
- Average Launch Power, each lane : -3.1~ +4.0dBm
- Power Consumption : < 16W
- InfiniBand and Ethernet

Data Rate	Package	Type	Part Number	Distance	Wavelength	Tx	Rx	Connector	Cable
1.6Tb/s	OSFP	2 x DR4	OFMDO-CSMPS31	500m	1310nm	SiPh	PIN	Dual MPO-12/APC	SMF
800Gb/s	OSFP	DR4	ORMDQ-CSMPS31	500m	1310nm	SiPh	PIN	MPO-12/APC	SMF

800G/400G OSFP

PRODUCTS

Features

- 8 X 53.125GBaud PAM4 retimed 800GAUI-8 electrical interface for 800G OSFP
- 4 X 53.125GBaud(or 8 X 26.56GBaud) PAM4 retimed 400GAUI-4(or 400GAUI-8) electrical interface for 400G OSFP
- Compliant with OSFP Module Specification
- Compliant with CMIS standard interface
- Compliant with IEEE std. 802.3df / 802.3db / 802.3bs
- Compliant with IEEE std. 802.3ck
- Commercial case temperature: 0 to 70°C
- Single 3.3V power supply
- RoHS compliant

Data Rate	Package	Type	Part Number	Distance	Wavelength	Tx	Rx	Connector	Cable
800Gb/s	OSFP	2 x DR4/DR8	OFMCO-CSMPS31	500m	1310nm	SiPh	PIN	Dual MPO-12/APC	SMF
800Gb/s	OSFP	2 x SR4/SR8	OFMCO-CMMPH85	100m	850nm	VCSEL	PIN	Dual MPO-12/APC	MMF
800Gb/s	OSFP-RHS	2 x SR4/SR8	ORMCO-CMMPH85	100m	850nm	VCSEL	PIN	Dual MPO-12/APC	MMF
800Gb/s	OSFP	2 x FR4/FR8	OFMCO-CSLRMC	2km	CWDM	EML	PIN	Dual LC/UPC	SMF
400Gb/s	OSFP-RHS	DR4	ORMCQ-CSMPS31	500m	1310nm	SiPh	PIN	MPO-12/APC	SMF
400Gb/s	OSFP-RHS	SR4	ORMCQ-CMMPH85	100m	850nm	VCSEL	PIN	MPO-12/APC	MMF

400G QSFP-DD/QSFP112

PRODUCTS

Features

- 8 X 26.56GBaud PAM4 retimed 400GAUI-8 electrical Interface for 400G QSFP-DD
- 4 X 53.125GBaud PAM4 retimed 400GAUI-4 electrical interface for 400G QSFP112
- Compliant with QSFP-DD/QSFP112 HW Specification
- Compliant with CMIS standard interface
- Compliant with IEEE std. 802.3db / 802.3cm / 802.3bs / 802.3cu
- Compliant with IEEE std. 802.3ck
- Commercial case temperature: 0 to 70°C
- Single 3.3V power supply
- RoHS compliant

Data Rate	Package	Type	Part Number	Distance	Wavelength	Tx	Rx	Connector	Cable
400Gb/s	QSFP-DD	SR4	QDDMCQ-CMMPH85	100m	850nm	VCSEL	PIN	MPO-12/APC	MMF
400Gb/s	QSFP-DD	SR8	QDDM5O-CMMPH85	100m	850nm	VCSEL	PIN	MPO-16/APC	MMF
400Gb/s	QSFP-DD	DR4	QDDMCQ-CSMPS31	500m	1310nm	EML/SiPh	PIN	MPO-12/APC	SMF
400Gb/s	QSFP-DD	DR4+	QDDMCQ-CSMPM31	2km	1310nm	EML/SiPh	PIN	MPO-12/APC	SMF
400Gb/s	QSFP-DD	FR4	QDDDCQ-CSLRMC	2km	CWDM	EML/SiPh	PIN	LC/UPC	SMF
400Gb/s	QSFP112	SR4	Q112MCQ-CMMPH85	100m	850nm	VCSEL	PIN	MPO-12/APC	MMF

100G QSFP28

PRODUCTS

Features

- 4 X 25.78GBaud NRZ electrical Interface
- Compliant with QSFP28 MSA Standard
- Compliant with IEEE std. 802.3bm / 802.3ba
- Compliant with IEEE std. 802.3bj
- Maximum link up to 80km
- Commercial case temperature: 0 to 70°C (Industrial version option)
- Single 3.3V power supply
- RoHS compliant

Data Rate	Package	Type	Part Number	Distance	Wavelength	Tx	Rx	Connector	Cable
100Gb/s	QSFP28	SR4	Q28M2Q-CMMPH85	100m	850nm	VCSEL	PIN	MPO-12/UPC	MMF
100Gb/s	QSFP28	CWDM4	Q28D2Q-CSLRMC	2km	CWDM	DFB	PIN	LC/UPC	SMF
100Gb/s	QSFP28	LR4	Q28D2Q-CSLRCLW	10km	LWDM	DFB	PIN	LC/UPC	SMF
100Gb/s	QSFP28	ER4	Q28D2Q-CSLRELW	40km	LWDM	EML	APD	LC/UPC	SMF
100Gb/s	QSFP28	ZR4	Q28D2Q-CSLRZLW	80km	LWDM	EML	SOA+PIN	LC/UPC	SMF

100G QSFP28 Single Lambda

PRODUCTS

Features

- 4 X 25.78GBaud NRZ electrical Interface
- Compliant with 100G Lambda MSA Standard
- Compliant with IEEE std. 802.3cu
- Compliant with IEEE std. 802.3bj
- Maximum link up to 2km
- Commercial case temperature: 0 to 70°C (Industrial version option)
- Single 3.3V power supply
- RoHS compliant

Data Rate	Package	Type	Part Number	Distance	Wavelength	Tx	Rx	Connector	Cable
100Gb/s	QSFP28	DR1	Q28DC1-CSLRS31	500m	1310nm	EML	PIN	LC/UPC	SMF
100Gb/s	QSFP28	FR1	Q28DC1-CSLRM31	2km	1310nm	EML	PIN	LC/UPC	SMF

25G SFP28

PRODUCTS

Features

- Supports 25.78Gb/s data rate
- Compliant with SFP28 MSA Standard
- Monitoring interface compliant with SFF-8472
- Maximum link up to 30km
- Operating temperature range

  Commercial (C): 0~70℃

  Industrial (I): -40~85 ℃
- Single 3.3V power supply
- RoHS compliant

Data Rate	Package	Type	Part Number	Distance	Wavelength	Tx	Rx	Connector	Cable
25Gb/s	SFP28	SR	SPD2X-CMLRH85	100m	850nm	VCSEL	PIN	LC/UPC	MMF
25Gb/s	SFP28	SR	SPD2X-IMLRS85*	400m	850nm	VCSEL	PIN	LC/UPC	MMF
25Gb/s	SFP28	-	MCD2X-ISLRFO2x*	30km	1290nm 16CH DWDM	DFB	APD	LC/UPC	SMF
25Gb/s	SFP28	-	SPD2X-ISLRFCxx*	30km	CWDM 1270/1290/ 1310/1330nm	DFB	PIN	LC/UPC	SMF
25Gb/s	SFP28	-	MCD2X-ISLRLCxx*	20km	CWDM 1410/1430/ 1470/1490nm	EML	APD	LC/UPC	SMF
25Gb/s	SFP28	-	MCD2X-ISLRLDxx*	20km	C-band DWDM	EML	APD	LC/UPC	SMF
25Gb/s	SFP28 BiDi	-	SPB2X-CSLRMC27 SPB2X-CSLRMC33	2km	1270/1330nm	DFB	PIN	LC/UPC	SMF

* Industrial temperature products only.
Note: 'xx' in the Part Number designates channel number for WDM products. Check OptiCore website for more information.

10G SFP+

PRODUCTS

Features

- Supports 11.3Gb/s data rate
- Compliant with SFP+ MSA Standard
- Monitoring interface compliant with SFF-8472
- Maximum link up to 80km
- Operating temperature range
  Commercial (C): 0~70℃
- Single 3.3V power supply
- RoHS compliant

Data Rate	Package	Type	Part Number	Distance	Wavelength	Tx	Rx	Connector	Cable
10Gb/s	SFP+	SR	SPDXG-CMLRS85	300m	850nm	VCSEL	PIN	LC/UPC	MMF
10Gb/s	SFP+	LR	SPDXG-CSLRC31-T1	10km	1310nm	DFB	PIN	LC/UPC	SMF
10Gb/s	SFP+	ER	MCDXG-CSLRE55	40km	1550nm	EML	PIN	LC/UPC	SMF
10Gb/s	SFP+	ZR	MCDXG-CSLRZ55	80km	1550nm	EML	APD	LC/UPC	SMF
10Gb/s	SFP+ BiDi	LR	SPBXG-CSLRC27 SPBXG-CSLRC33	10km	1270/1330nm	DFB	PIN	LC/UPC	SMF
10Gb/s	SFP+ BiDi	ER	SPBXG-CSLRE27 SPBXG-CSLRE33	40km	1270/1330nm	DFB	APD	LC/UPC	SMF
10Gb/s	SFP+ BiDi	ZR	SPBXG-CSLRZ49 SPBXG-CSLRZ55	80km	1490/1550nm	EML	APD	LC/UPC	SMF
10Gb/s	SFP+	Copper	SPCXG CRJ	30m	-	-	-	RJ45	Cat 6a/7

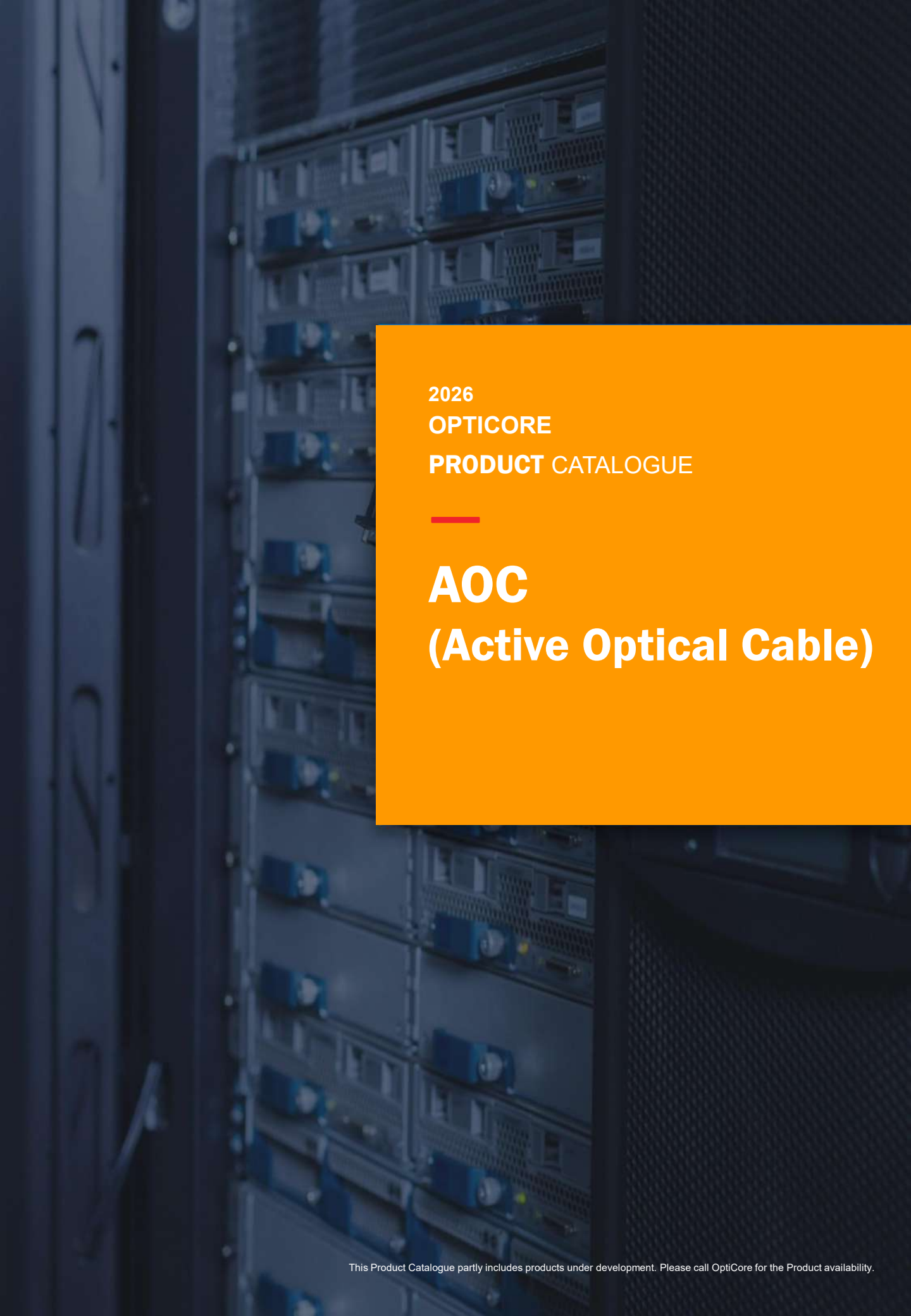
Digital Coherent Optics

PRODUCTS

Features

- 8 X 26.56GBaud PAM4 retimed 400GAUI-8 electrical Interface
- Compliant with QSFP-DD/CFP2 HW Specification
- Compliant with CMIS/CFP2 Management Interface
- Compliant with IEEE std. 802.3ck
- Commercial case temperature: 0 to 70°C
- Single 3.3V power supply
- RoHS compliant

Data Rate	Package	Type	Part Number	Distance	Wavelength	Connector	Cable
400Gb/s	CFP2	ZR/ZR+	C2D4C-CSLRZ	120km/480km	C-band DWDM	LC/UPC	SMF
400Gb/s	QSFP-DD	ZR	QDDD4C-CSLRZ	120km	C-band DWDM	LC/UPC	SMF
400Gb/s	QSFP-DD	ZR/ZR+	QDDD4C-CSLRZP	120km/480km	C-band DWDM	LC/UPC	SMF
400Gb/s	QSFP-DD	High Power ZR+	QDDD4C-CSLBRP	120km/480km	C-band DWDM	LC/UPC	SMF



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PRODUCT CATALOGUE

AOC
(Active Optical Cable)

This Product Catalogue partly includes products under development. Please call OptiCore for the Product availability.

Active Optical Cable

PRODUCTS

Features

- Compliant with QSFP/QSFP-DD/OSFP MSA
- Compliant with SFF-8636/CMIS standard interface
- Up to 60m on OM3 or 100m on OM4 with MMF
- Commercial case temperature: 0 to 70°C
- Single 3.3V power supply
- RoHS compliant

QSFP

Model	Data Rate	Package	Type	Part Number	Distance
400G QSFP-DD to QSFP112	400Gb/s	QSFP-DD, QSFP112	AOC	QD4O-QC4O	100m
400G QSFP112 to QSFP112	400Gb/s	QSFP112	AOC	QC4O-QC4O	100m
400G QSFP-DD to QSFP-DD	400Gb/s	QSFP-DD	AOC	QD4O	100m
200G QSFP112 to QSFP112	200Gb/s	QSFP112	AOC	QC2O	100m
200G QSFP56 to QSFP56	200Gb/s	QSFP56	AOC	QH2O	100m
100G QSFP28 to QSFP28	100Gb/s	QSFP28	AOC	QS1O	100m

OSFP

Model	Data Rate	Package	Type	Part Number	Distance
800G OSFP	800Gb/s	OSFP	AOC	OC8O	100m
400G OSFP	400Gb/s	OSFP	AOC	OC4O	100m

QSFP to OSFP

Model	Data Rate	Package	Type	Part Number	Distance
400G QSFP-DD to OSFP	400Gb/s	QSFP-DD, OSFP	AOC	QD4O-OC4O	100m
400G QSFP112 to OSFP	400Gb/s	QSFP112, OSFP	AOC	QC4O-OC4O	100m

Breakout

Model	Data Rate	Package	Type	Part Number	Distance
800G OSFP to 2x400G OSFP	800Gb/s, 400Gb/s	OSFP	AOC	OC8O-2OC4O	100m
400G QSFP-DD to 2x200G QSFP112	400Gb/s, 200Gb/s	QSFP-DD, QSFP112	AOC	QD4O-2QC2O	100m
400G OSFP to 2x200G QSFP112	400Gb/s, 200Gb/s	OSFP, QSFP112	AOC	OC4O-2QC2O	100m
400G QSFP-DD to 4x100G QSFP56	400Gb/s, 100Gb/s	QSFP-DD, QSFP56	AOC	QD4O-4QH1O	100m
400G QSFP-DD to 2x200G QSFP56	400Gb/s, 200Gb/s	QSFP-DD, QSFP56	AOC	QD4O-2QH2O	100m
200G QSFP56 to 2x100G QSFP56	200Gb/s, 100Gb/s	QSFP56	AOC	QH2O-2QH1O	100m

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OPTICORE
PRODUCT CATALOGUE

DAC/AEC

This Product Catalogue partly includes products under development. Please call OptiCore for the Product availability.

AEC

PRODUCTS

Features

- Compliant with QSFP/QSFP-DD/OSFP MSA
- Compliant with SFF-8636/CMIS standard interface
- Commercial case temperature: 0 to 70°C
- Wire AWG : 28~32AWG
- RoHS compliant

QSFP

Model	Data Rate	Package	Type	Part Number	Distance
800G QSFP-DD to QSFP-DD	800Gb/s	QSFP-DD	AEC	QD8E	7m
400G QSFP112 to QSFP112	400Gb/s	QSFP112	AEC	QC4E	7m

OSFP

Model	Data Rate	Package	Type	Part Number	Distance
800G OSFP to 800G OSFP	800Gb/s	OSFP	AEC	OC8E	7m
400G OSFP to OSFP	400Gb/s	OSFP	AEC	OC4E	7m

Breakout

Model	Data Rate	Package	Type	Part Number	Distance
800G OSFP to 2x400G OSFP-RHS	800Gb/s, 400Gb/s	OSFP, OSFP-RHS	AEC	OC8E-2OR4E	7m
800G OSFP to 2x400G QSFP112	800Gb/s, 400Gb/s	OSFP, QSFP112	AEC	OC8E-2QC4E	7m
800G QSFP-DD to 2x400G OSFP-RHS	800Gb/s, 400Gb/s	QSFP-DD, OSFP-RHS	AEC	QD8E-2OR4E	7m
800G QSFP-DD to 2x400G QSFP112	800Gb/s, 400Gb/s	QSFP-DD, QSFP112	AEC	QD8E-2QC4E	7m

DAC

PRODUCTS

Features

- Compliant with QSFP/QSFP-DD/OSFP MSA
- Compliant with SFF-8636/CMIS standard interface
- Commercial case temperature: 0 to 70°C
- Wire AWG : 28~32AWG
- RoHS compliant

QSFP

Model	Data Rate	Package	Type	Part Number	Distance
800G QSFP-DD to 800G QSFP-DD	800Gb/s	QSFP-DD	DAC	QD8D	2m
400G QSFP112 to QSFP112	400Gb/s	QSFP-112	DAC	QC4D	2m
400G QSFP-DD to QSFP-DD	400Gb/s	QSFP-DD	DAC	QD4D	3m
200G QSFP56 to QSFP56	200Gb/s	QSFP56	DAC	QH2D	3m
100G QSFP28 to QSFP28	100Gb/s	QSFP28	DAC	QS1D	5m

OSFP

Model	Data Rate	Package	Type	Part Number	Distance
800G OSFP to OSFP	800Gb/s	OSFP	DAC	OC8D	2m
400G OSFP to OSFP	400Gb/s	OSFP	DAC	OC4D	3m

Breakout

Model	Data Rate	Package	Type	Part Number	Distance
800G OSFP to 2x400G OSFP-RHS	800Gb/s, 400Gb/s	OSFP, OSFP-RHS	DAC	OC8D-2OR4D	2m
800G OSFP to 2x400G QSFP112	800Gb/s, 400Gb/s	OSFP, QSFP112	DAC	OC8D-2QC4D	2m
800G QSFP-DD to 2x400G OSFP-RHS	800Gb/s, 400Gb/s	QSFP-DD, OSFP-RHS	DAC	QD8D-2OR4D	2m
800G QSFP-DD to 2x400G QSFP112	800Gb/s, 400Gb/s	QSFP-DD, QSFP112	DAC	QD8D-2QC4D	2m
400G QSFP112 to 2x200G QSFP112	400Gb/s, 200Gb/s	QSFP112	DAC	QC4D-2QC2D	2m
400G OSFP to 2x200G QSFP56	400Gb/s, 200Gb/s	OSFP, QSFP56	DAC	OC4D-2QH2D	3m
400G QSFP-DD to 2x200G QSFP56	400Gb/s, 200Gb/s	QSFP-DD, QSFP56	DAC	QD4D-2QH2D	3m
200G QSFP56 to 2x100G QSFP56	200Gb/s, 100Gb/s	QSFP56	DAC	QH2D-2QH1D	3m

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