

LinkPro™ Active Optics: Transceivers & AOC

LinkPro supplies a full portfolio of pluggable optical transceivers and Active Optical Cables (AOC) for data-center Ethernet and DCI. Offerings span 100G to 800G today with a roadmap beyond, covering short-reach multimode up through long-reach single-mode and coherent pluggables.

Optical Transceivers (100G → 800G and beyond)

Options include QSFP28/56/112, QSFP-DD(800), and OSFP form factors across SR/DR/FR/LR classes. Portfolios cover SR4/SR8 for multimode, DR4/DR8 and FR4 (~2 km) for single-mode, LR4 (10-km class), plus 2×FR4/2×LR4 and other 800G architectures. Many 800G parts comply with recent IEEE specifications, support CMIS management, and use EML or silicon-photonics engines.

Coherent Pluggables for DCI

For inter-data-center links, LinkPro offers 400ZR/ZR+ (QSFP-DD or OSFP) and next-gen 800ZR/ZR+ coherent pluggables. These enable router-port DWDM over metro and regional spans, bringing high-capacity DCI in compact switch/router-friendly modules.

800G Highlights

- Form factors: OSFP and QSFP-DD800 with 8×100G or 4×100G×2 electrical architectures.
- Optical interfaces: MPO-16, dual MPO-12, dual CS, or LC depending on variant and reach.
- Applications: 800G Ethernet leaf/spine, AI clusters, and cloud fabrics; options tuned for 500 m, 2 km, and longer reaches.

Transceiver Product List

No.	Data Rate	Fiber Type	LinkPro PN
1	1.25G	SFP 1.25Gbs 850nm 550m	LPGCLM85-S55C(I)
2	1.25G	SFP 1.25Gbs 1310nm 10(20)km	LPGCLF31-K10(20)C(I)
3	1.25G	SFP 1.25Gbs 1310nm 40km	LPGCLB31-K40C(I)
4	1.25G	SFP 1.25Gbs 1550nm 40km	LPGCLB55-K40C(I)
5	1.25G	SFP 1.25Gbs 1550nm 80km	LPGCLB55-K80C(I)
6	1.25G	SFP 1.25G 1550nm 120km	LPGCLB55-Z12C
7	1.25G	SFP 1.25Gbs T15R13(T13R15) 20km	LPGCLB53(F35)-K20C(I)
8	1.25G	SFP 1.25Gbs T15R13(T13R15) 40km	LPGCLB53(B35)-K40C(I)

9	1.25G	SFP 1.25Gbs T15R14(T14R15) 80km	LPGCLB54(B45)-K80C(I)
10	1.25G	SFP 1.25Gbs T15R14(T14R15) 120km	LPGCLB54(B45)-Z12C(I)
11	1.25G	SFP 1.25G CWDM 40KM	LPGCLCxx-K40C
12	1.25G	SFP 1.25G CWDM 80KM	LPGCLCxx-K80C
13	1.25G	1.25G_ SFP GE-RJ45,SerDes	LPGCREEE-S10C
14	1.25G	1.25G_ SFP GE-RJ45,SGMII	LPGCRAAA-S10C
No.	Data Rate	Fiber Type	LinkPro PN
1	10G	SFP+ 10Gbs 850nm 300m	LPHKLM85-S30C
2	10G	SFP+ 10Gbs 1310nm 10km	LPHKLB31-K10C(I)
3	10G	SFP+ 10Gbs 1310nm 40km	LPHKLB31-K40C(I)
4	10G	SFP+ 10Gbs 1550nm 40km	LPHKLE55-K40C
5	10G	SFP+ 10Gbs 1550nm 80km	LPHKLE55-K80C(I)
6	10G	SFP+ 10Gbs 1550nm 100km	LPHKLE55-Z10C
7	10G	SFP+ 10Gbs T12R13(T13R12) 10km	LPHKLB23(32)-K10C(I)
8	10G	SFP+ 10Gbs T12R13(T13R12) 20km	LPHKLB23(32)-K20C(I)
9	10G	SFP+ 10Gbs T12R13(T13R12) 40km	LPHKLB23(32)-K40C(I)
10	10G	SFP+ 10Gbs T14R15(T15R14) 80km	LPHKLE45(54)-K80C
11	10G	SFP+ 10Gbs CWDM 20km	LPHKLCxx-K20C(E)
12	10G	SFP+ 10Gbs CWDM 40km	LPHKLCxx-K40C(I)
13	10G	SFP+ 10Gbs CWDM 80km(CDR)	LPHKLCxx-K80C(I)
14	10G	SFP+ 10Gbs DWDM 40km	LPHKLDxx-K40C(I)
15	10G	SFP+ 10Gbs DWDM 80km	LPHKLDxx-K80C(I)
16	10G	SFP+ 10Gbs 1550nm 40km(CDR)	LPHKLE55-K40C(I)
17	10G	SFP+ 10Gbs 1550nm 80km(CDR)	LPHKLE55-K80C(I)
18	10G	10G SFP+ RJ45 30m	LPHKREEE-M30C
19	10G	10G XFP DWDM 80km	LPKKLDxx-K80C
No.	Data Rate	Fiber Type	LinkPro PN
1	25G	SFP28 25Gbs 850nm SR 100m	LPJMLM85-S10C
2	25G	SFP28 25Gbs 1310nm LR 10km	LPJMLB31-K10C(I)
3	25G	SFP28 25Gbs 1310nm ER 40km	LPJMLE31-K40C(I)
4	25G	SFP28 25Gbs BIDI 1270&1310nm 10km	LPJMLB23(B32)-K10C(I)
5	25G	SFP28 25Gbs BIDI 1270&1310nm 40km	LPJMLB23(B32)-K40C(I)
6	25G	SFP28 25Gbs CWDM LR 10km	LPJMLCxx-K10C
No.	Data Rate	Fiber Type	LinkPro PN
1	40G	QSFP+ 40Gbs SR4 850nm 150m	LPANMM85-S15C
2	40G	40G QSFP+ LR4 10km	LPANLC23-K10C
3	40G	QSFP+ 40Gbs ER4 40km	LPANLE31-K40C
4	40G	QSFP+ 40Gbs 1310nm ZR4 80km	LPANLB31-K80C

No.	Data Rate	Fiber Type	LinkPro PN
1	100G	QSFP28 100Gbs SR4 850nm 100m	LPBQMM85-S10C
2	100G	QSFP28 100Gbs ESR4 850nm 300m	LPBQMM85-S30C
3	100G	QSFP28 100Gbs CWDM4 2km	LPBQLC23-K02C
4	100G	QSFP28 100Gbs LR4 10km	LPBQLB31-K10C
5	100G	QSFP28 100Gbs ER4 40km	LPBQLE31-K40C
6	100G	QSFP28 100Gbs ZR4 80km	LPBQLE31-K80C
7	100G	QSFP28 100G-DR1 500m	LPBQLDR1-S50C
8	100G	QSFP28 100Gbs LR1 10km	LPBQLLR1-K10C
No.	Data Rate	Fiber Type	LinkPro PN
1	200G	QSFP56 200Gbs SR4 100m	LPCRRMM85-S10C
2	200G	QSFP56 200Gbs DR4 500m	LPCRRMB31-S50C
3	200G	QSFP56 200Gbs FR4 2km	LPCRLB31-K02C
No.	Data Rate	Fiber Type	LinkPro PN
1	400G	OSFP 400Gbs SR4 850nm 50m	LPXSMM85-M50C
2	400G	OSFP 400Gbs DR4 1310nm 500m	LPXSMB31-S50C
3	400G	QSFP112 400Gbs SR4 850nm 50m	LPOSMM85-M50C
4	400G	QSFP112 400Gbs DR4 1310nm 500m	LPOSML31-S50C
5	400G	QSFP-DD 400Gbs SR4 100m	LPWSMM85-S10C
6	400G	QSFP-DD 400Gbs DR4 1310nm 500m	LPWSMB31-S50C
7	400G	QSFP-DD 400Gbs SR8 100m	LPWSMM85-S10C
8	400G	QSFP-DD 400Gbs LR4 10Km	LPWSLB31-K10C
No.	Data Rate	Fiber Type	LinkPro PN
1	800G	OSFP 800Gbs SR8 50m	LPXWHM85-M50C
2	800G	OSFP 800Gbs DR8 500m	LPXWHB31-S50C

Note: Any product drawing needed, please contact us through Email: sales@linkprocabing.com

Active Optical Cables (AOC)

AOCs combine transceivers and fiber into a single, fixed-length, plug-and-play cable—ideal for short-to-mid-reach in-rack and row links when you want optical reach with simple operations. Portfolios cover 100G/200G/400G/800G in QSFP/QSFP-DD/OSFP, with straight and breakout options (e.g., 800G↔2×400G). Typical lengths range from a few meters up to ~100 m depending on design.

Where AOCs Fit Best

- Dense AI/ML or leaf/spine environments where cabling simplicity and airflow matter.
- Short DCI jumpers within a cage/row when coherent optics aren't required.
- Fixed-length lab/dev and staging environments needing low-touch turn-ups.

AOC Product List

No.	Data Rate	10~200G Length flexible	LinkPro PN
1	10G	SFP+ AOC	LPHKAA31-M(L)xxC
2	25G	SFP28 AOC	LPJMAA31-M(L)xxC
3	40G	QSFP+ AOC	LPANAA31-M(L)xxC
4	40G	QSFP+ to 4×SFP AOC	LPANAA34-M(L)xxC
5	40G	QSFP+ to 4×LC pigtail	LPANAA38-M(L)xxC
6	48G	MiniSAS(8436) AOC	LPLNAA31-M(L)xxC
7	48G	MiniSAS(8636) to QSFP AOC	LPLNAA34-M(L)xxC
8	100G	QSFP28 AOC	LPBQAA31-M(L)xxC
9	100G	QSFP28 to 4×25G SFP28 AOC	LPBQAA34-M(L)xxC
10	100G	QSFP28 to 2×50G QSFP28 AOC	LPBQAA32-M(L)xxC
11	100G	QSFP28(112G) AOC	LPBQAA31-M(L)xxC
12	100G	DSFP56(112G) AOC	LPPQAA31-M(L)xxC
13	200G	QSFP56 AOC	LPCRAA31-M(L)xxC
14	200G	QSFP56 AOC (DSP,CMIS)	LPCRAA31-M(L)xxC
15	200G	QSFP56 to 2×100G QSFP56 AOC	LPCRAA32-M(L)xxC
No.	Data Rate	400/800G Typical 20m	LinkPro PN
1	400G	QSFP-DD AOC 20m	LPWSAA31-M20C
2	400G	QSFPDD to 2×200G QSFP56 AOC 20m	LPWSAA32CR-M20C
3	400G	QSFPDD to 4×100G QSFP56 AOC 20m	LPWSAA34CQ-M20C
4	400G	OSFP to 2×200G QSFP56 AOC 20m	LPXSAA32CR-M20C
5	400G	OSFP to 4×100G DSFP56 AOC 20m	LPXSAA14PQ-M20C
6	800G	OSFP SR8 to 2×400G QSFP112 SR4 AOC 20m	LPXWAA32IS-M20C

Note: Any product drawing needed, please contact us through Email: sales@linkprocabling.com

Why LinkPro

- Multi-vendor alignment with leading ecosystems to match performance, lead time, and budget.
- Lifecycle simplicity with CMIS-based management, clear labeling, and connector choices (MPO-16, CS, LC) that streamline migrations and replacements.

Notes & Trademarks

QSFP®, QSFP-DD®, OSFP® and related MSAs are referenced for compatibility; other names belong to their owners.