

ONEREACH™

Take PoE, PoE+, and HPoE simplicity and gigabit capability to new distances.



Supported Distances to Remote End Devices^{2,3,4}

HEAD END PART #	SOURCE DESCRIPTION	FIBER TRANSMISSION PROTOCOL	CHASSIS & POWER SUPPLY	RISER CABLE ASSEMBLY ¹	PoE MAX DISTANCE (FT)	PoE+ MAX DISTANCE (FT)	HPoE MAX DISTANCE (FT)	REMOTE PoE PART #	REMOTE DESCRIPTION
81000380	1-Port Source, LC Duplex, MMF, 1000BASE-T, RJ45, 0 to +40°C	1000BASE-SX	No	BHCR02EDD044FFNM8Pxxx	3,280 (20°C) 3,280 (50°C)	2,100 (20°C) ⁵ 1,856 (50°C)	1,000 (20°C) ⁵ 884 (50°C)	81000545	1-Port Remote, 1000BASE-SX, HPoE (60W), LC Duplex, MMF, 1000BASE-T, RJ45
81000380	1-Port Source, LC Duplex, MMF, 1000BASE-T, RJ45, 0 to +40°C	1000BASE-SX	No	BHCR02EDD044FFNM8Pxxx	3,280 (20°C) 3,280 (50°C)	2,100 (20°C) ⁵ 1,856 (50°C)	N/A	81000381	1-Port Remote, 1000BASE-SX, PoE+, LC Duplex, MMF, 1000BASE-T, RJ45
81000413	4-Port Media Module, 4 x LC Duplex, MMF, 1000BASE-T, RJ45, 0 to +40°C	1000BASE-SX	Yes	BACR08EDDD044FFNM8Pxxx	3,280 (20°C) 3,280 (50°C)	980 (20°C) ⁵ 866 (50°C)	N/A	81000684	4-Port Remote, 1000BASE-SX, PoE+, 4 x LC Duplex, MMF, 1000BASE-T, RJ45
81000413	4-Port Media Module, 4 x LC Duplex, MMF, 1000BASE-T, RJ45, 0 to +40°C	1000BASE-SX	Yes	BHCR02EDD044FFNM8Pxxx	3,280 (20°C) 3,280 (50°C)	2,100 (20°C) ⁵ 1,856 (50°C)	1,000 (20°C) ⁵ 884 (50°C)	81000545	1-Port Remote, 1000BASE-SX, HPoE (60W), LC Duplex, MMF, 1000BASE-T, RJ45
81000413	4-Port Media Module, 4 x LC Duplex, MMF, 1000BASE-T, RJ45, 0 to +40°C	1000BASE-SX	Yes	BHCR02EDD044FFNM8Pxxx	3,280 (20°C) 3,280 (50°C)	2,100 (20°C) ⁵ 1,856 (50°C)	N/A	81000381	1-Port Remote, 1000BASE-SX, PoE+, LC Duplex, MMF, 1000BASE-T, RJ45
81000413	4-Port Media Module, 4 x LC Duplex, MMF, 1000BASE-T, RJ45, 0 to +40°C	1000BASE-SX	Yes	BACR04EDD044FFNM8Pxxx	3,280 (20°C) 3,280 (50°C)	980 (20°C) ⁵ 866 (50°C)	N/A	81000773	2-Port Remote, 1000BASE-SX, PoE+, LC Duplex, MMF, 1000BASE-T, RJ45
81000960	1-Port Source, LC Duplex, SMF, 1000BASE-T, RJ45, -40 to +50°C	1000-BASE-LX	No	BHCR02ADD044FFNM8Pxxx	8,200 (20°C) ⁵ 7,250 (50°C)	2,100 (20°C) ⁵ 1,856 (50°C)	1,000 (20°C) ⁵ 884 (50°C)	81000959	1-Port Remote, 1000BASE-SX, HPoE (60W), LC Duplex, SMF, 1000BASE-T, RJ45
81000960	1-Port Source, LC Duplex, SMF, 1000BASE-T, RJ45, -40 to +50°C	1000-BASE-LX	No	BHCR02ADD044FFNM8Pxxx	8,200 (20°C) ⁵ 7,250 (50°C)	2,100 (20°C) ⁵ 1,856 (50°C)	N/A	81000961	1-Port Remote, 1000BASE-SX, PoE+, LC Duplex, SMF, 1000BASE-T, RJ45

Visit OneReachSystem.com to design your specific system.

¹Plenum cable assemblies and bulk fiber options are available; xxx denotes the length in feet. ²These are the maximum distances for the OneReach cable assemblies; an additional 328 ft copper is available from the remote to the PoE Device. ³Other configurations, including DIN rail mounts, are available; please contact TEK Support for assistance. ⁴These distances are valid for 0°C ≤ T_{Ambient} ≤ 75°C, unless otherwise noted. ⁵For temperatures above 20°C, derate this length by multiplying the above value by: (1 - (T_{Ambient} - 20) * 0.00386)

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