

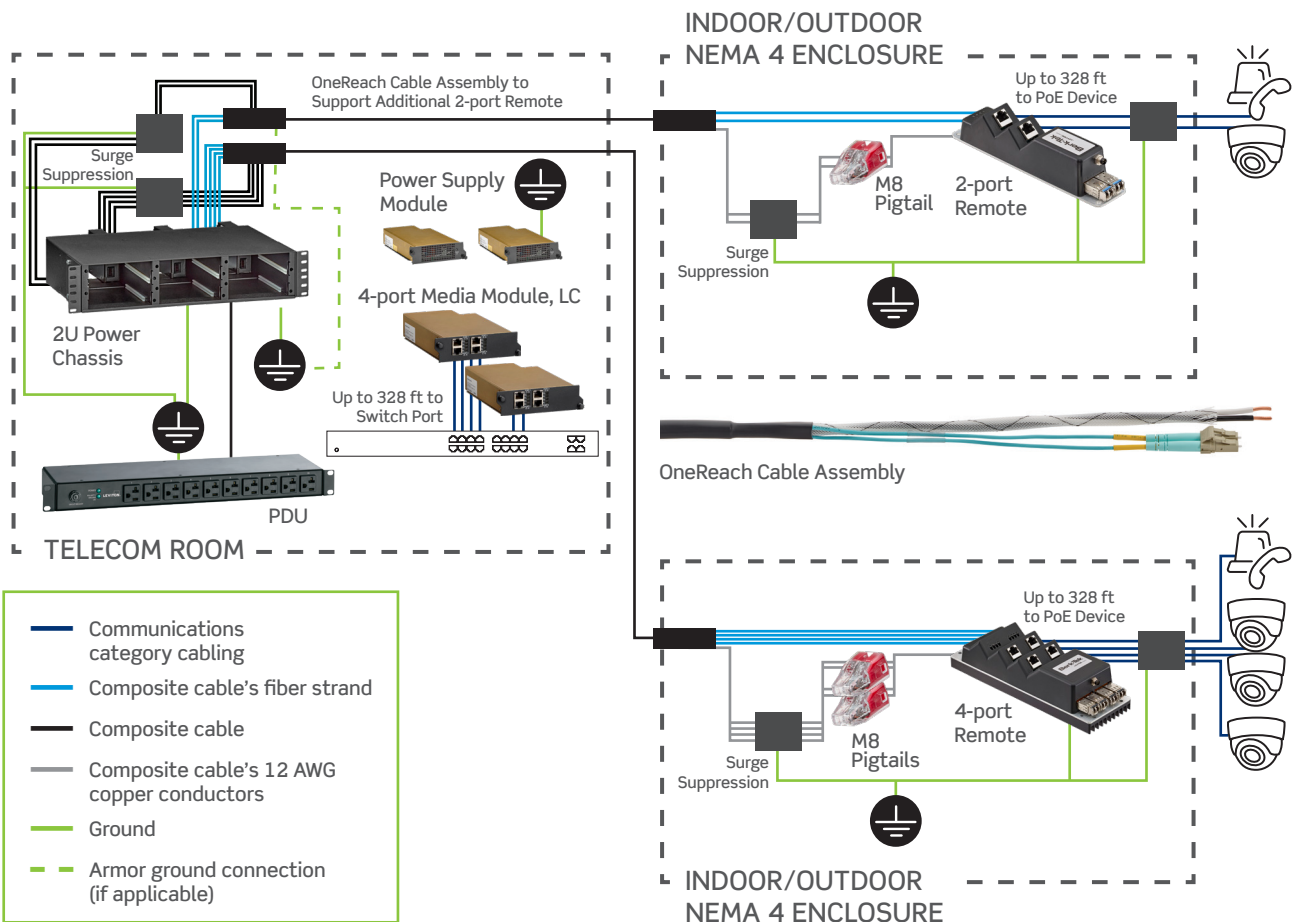
SOLUTION BRIEF

OneReach™ POE NETWORK EXTENSION FOR PARKING LOT SECURITY

Parking lot security systems for parking lots at hospitals, shopping malls, and campuses often include remote security cameras and blue light emergency phones. The OneReach solution is revolutionary for these remote applications. By combining fiber cable for long-distance gigabit data transmission and copper cable for Power over Ethernet (PoE) in a single composite cable, OneReach takes data and PoE, PoE+, or PoE++ to previously unreachable distances.



- OneReach enables PoE equipment (up to Type 4, Class 8) to be located more than 328 feet from the switch
- The modular solution supports scaling the system to meet specific application requirements
- It simplifies network and device management through a centralized infrastructure, while generating cost savings
- Supports adding remote PoE devices with existing non-PoE network switching gear



HEAD END DEVICES FOR POWER INJECTION

The Power Injection equipment provides both the power to run the system and the technology to transmit the data signals to previously unreachable distances. By locating the power for remote devices in a single local closet, users can consolidate UPS devices and streamline and simplify management.



- **Power Injector Chassis:** 2U chassis include NFPA 70 Class 2 power compliant output terminal blocks
- **4-port Media Modules** plug into chassis and allow and support up to four independent devices, transmitting data over multimode or single-mode fiber (LC) to the remote
- **1-port Sources** can act as standalone media conversion and power injection or mount to rack with a 1U Mounting Bracket (81000463)
- **Power Supply Modules:** One power supply module powers up to 12 devices (at least one Power Supply Module is required for each chassis)

DESCRIPTION	OPERATING TEMP. (°F)	PART NO.
1-port Source, 10/100/1000BASE-T, RJ-45, 1000BASE-SX, LC Duplex, MMF, 56/56 VDC In/Out, Ext AC Power, NA Plug	32 to 104	81001514
2U Chassis with Terminal Blocks, 6 slots	32 to 104	81001531
Media Module 4-port, 10/100/1000BASE-T, 1000BASE-SX, 4 x LC duplex (rear), MMF, RJ-45, 56 VDC in	32 to 104	81000413
Power Supply Module 250 W, 56 VDC out, 1 slot: At least 1 required for each Power Injector Chassis	32 to 104	81001536

REMOTE END DEVICES

Remote devices mounted outdoors require minimum NEMA 4 enclosures. All remotes connect to active devices using category cables or patch cords.



- No need to install costly remote power outlets or remote industrial switches
- There is no virtual entry point for hackers into your network
- Eliminates the need for remote UPS
- Uses standard RJ-45 connectivity to patch to the security camera, wireless access point, or any other IP-based device
- Provides PoE to end devices even if connected to a non-PoE switch port
- Meet the rigors of outdoor applications with IEC 61000 4-5 Level 4 Surge Immunity (4000 V)
- Meets PoE standard 802.3 100 W (Type 4, Class 8), enabling support of multiple PoE classes

DESCRIPTION	OPERATING TEMP. (°F)	PART NO.
1-port Remote, 10/100/1000BASE-T, 1000BASE-SX, PoE++, LC duplex, MMF, RJ-45, 56 VDC in, M8 Power Input (1 powered device supported)	-40 to 158	81001512
2-port Remote, 10/100/1000BASE-T, 1000BASE-SX, PoE++, 2 x LC duplex, MMF, RJ-45, M8 Power Input (up to 2 powered devices supported)	-40 to 158	81001534
4-port Remote, 10/100/1000BASE-T, 1000BASE-SX, PoE++, 4 x LC duplex, MMF, RJ-45, M8 Power Input (up to 4 powered devices supported)	-40 to 158	81001532

HYBRID COPPER/FIBER CABLE

- Bulk hybrid cable available for larger field installations using typical fiber field termination and splicing
- Pigtailed provide means to connect a bulk composite cable or OneReach Cable Assemblies to OneReach remote or head-end devices

Additional cable/assembly configurations are available upon request.

CABLE ASSEMBLIES



Composite copper/fiber cable assemblies support power and data transmission within a single jacket. These cable assemblies combine 12 AWG conductors with either tight-buffered or loose tube optical fiber cable designs to support remote devices.

- Combine optical fiber and copper conductors in a single assembly that easily attaches with standard M8 and LC connectors
- Provides common pathway for fiber backbone and Class 2 power supply
- Designs for indoor, outdoor, and indoor/outdoor environments

DESCRIPTION	PART NO.
LC-LC 1-port Tight Buffered Cable Assembly, 2-fiber, OM3, two 12-gauge conductors, riser rated	BHCR02E02D44FFNNPxxxx [^]
LC-LC 2-port Loose Tube Cable Assembly, 4-fiber, OM3, two 12-gauge conductors, riser rated	BACR04E02D44FFNNPxxxx [^]
LC-LC 4-port Loose Tube Cable Assembly, 8-fiber, OM3, four 12-gauge conductors, riser rated	BACR08E04D44FFNNPxxxx [^]
1-, 2-port M8 Pigtail, two 18-gauge conductors	11099456
4-port M8 Pigtail, four 20-gauge conductors	11099453

xxxx = Length in feet (using leading zeros as needed)

[^] = Pigtail 11099456 is required when ordering.

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Additional cable/assembly configurations are available upon request.

For help with OneReach system integration questions, application reach distances, and other details, please contact Leviton Network Solutions Technical Support at 1-800-722-2082 or email appeng@leviton.com.

See the full range of OneReach head end power injection devices, cable assemblies, and remote PoE ports at Leviton.com/OneReach.