SOLUTION DATA SHEET

OPT-X® SECURE PON SYSTEM

Delivering Opt-X® fiber optic data center connectivity to the desktop with the increased bandwidth and security you expect.

The Leviton Opt-X Secure PON system is a point-to-multipoint, fiber-to-the-user network that allows a single strand of single-mode optical fiber to serve multiple users. This reduces the amount of physical cable and active equipment in your network, minimizing the cable footprint and saving you valuable space.

Complete system with options for in-wall and in-ceiling distribution

- Energy savings, space savings, building weight reduction, operational cost savings, and reduction of non-renewable materials
- Armored cabling for added durability and network security
- Smaller cable footprint – TR space minimized
- No EMI – Without bonding and grounding issues associated with shielded Ethernet
- Supports U.S. Army directive to use Gigabit Passive Optical Network Technology – Other military branches and governmental offices following

Wireless Access Point (WAP)  Structured Media® and Zone enclosures: in-ceiling consolidation point to reduce the need for a TR
Pre-terminated trunk cabling speeds deployment
SM drop cables complete connection from the passive splitter to the work area
QuickPort® wallplates and fiber connectors
Secure and armored fiber patch cords available
ONT with copper or fiber patch cords makes the final connection to the user devices
Opt-X fiber enclosures: in entrance facility or TR consolidation point for traditional distribution footprint
PRE-TERMINATED SINGLE-MODE TRUNKS
- Plug-n-Play fiber eliminates the need for field terminations or splices - Up to 70% faster install
- Factory terminated and pre-tested using automated procedures to ensure product quality
- Optional pulling eye protects connectors and eases installation
For assistance customizing your trunks, please visit leviton.com/configurator or call Tech Support at 800.824.3005

SECURE SC/APC PATCH CORDS
- Secure design prevents unauthorized moves, adds, or changes
- Simplex SC/APC plugs into industry-standard SC adapters
- Available in four colors (white, red, yellow, and black) to segregate and secure the network

PART NUMBERS
Secure SC/APC Patch Cord, plenum, OS2
Secure Port Blocker
SC/APC Extraction Tool

xx = Length in meters, x = Color: Yellow (Y), Red (R), Black (E), White (W)
* = For assistance customizing your cords, please visit leviton.com/configurator or call Tech Support at 800.824.3005

CONSOLIDATION POINT ENCLOSURES
- Enclosures may be surface or flush mounted in-wall or in-ceiling
- Can be installed at the work space to protect the ONT
- Z1000 Zone enclosures are compatible with Opt-X 500i flush-mount panels (part numbers 1RU 5R1UE-OPX and 3RU 5R3UE-OPX)

PART NUMBERS
Structured Media® Enclosure Only
Structured Media® Premium Vented Hinged Door
Structured Media® Multimedia Adapter Bracket
Structured Media® Ceiling-Mount Kit
Zone In-Ceiling Enclosure for Plenum Applications
Zone In-Floor Enclosures for Plenum Applications

BERK-TEK DROP CABLE
- Unique cable solution for a more reliable drop cable from the consolidation point to the work space
- 6mm O.D. rugged plenum-rated jacket for in-ceiling or under-floor installation
- Tight-buffered fibers are ready for direct termination
- Available pre-terminated on both ends or on single end to allow splicing or FastCAM SC/APC termination in the field

PART NUMBERS
Adventum Tight-Buffer Plenum-Rated Drop Cable, OS2

Find complete Berk-Tek Fiber Optic Cable information at berktek.com

GPON SPLITTER MODULE
- Low insertion loss improves network performance and layout design flexibility
- Snap-in design for easy installation

PART NUMBERS
Opt-X Splitter, 1 x 16, SC/SPC, 2.5-foot leg
Opt-X Splitter, 2 x 16, SC/SPC, 2.5-foot leg
Opt-X Splitter, 1 x 32, SC/SPC, 2.5-foot leg
Opt-X Splitter, 2 x 32, SC/SPC, 2.5-foot leg

FASTCAM® FIBER OPTIC PRE-POLISHED CONNECTORS
- Require no hand polishing; terminate in less than a minute
- No proprietary tool or fixture required

PART NUMBERS
FastCAM Single-Mode SC/APC
APC Cleaver

PREMIUM FIBER OPTIC PATCH CORDS
- Ruggedized Armor for single mode
- SC/APC connector options plug into industry-standard SC adapters
For assistance customizing your cords, please visit leviton.com/configurator or call Tech Support at 800.824.3005

PART NUMBERS
Angled Single-Gang QuickPort Wallplate with ID Windows, 1 Port
Angled Single-Gang QuickPort Wallplate with ID Windows, 2 Ports
Angled Single-Gang QuickPort Wallplate with ID Windows, 4 Ports

x = Color: White (W), Light Almond (T), Ivory (I), Black (B)

OPT-X® ADAPTER PLATES
- Exclusive design works with Opt-X, Structured Media, and Z1000 Zone enclosures
- Push/Pull fasteners allow for tool-free installation

PART NUMBERS
Plate (green), SM (OS2), Duplex SC/APC, 12-fiber, zirconia ceramic sleeve

QUICKPORT® FIBER OPTIC ADAPTERS
- QuickPort adapters snap into QuickPort panels or modules

PART NUMBERS
SC/APC QuickPort Adapter

LEVITON QUICKPORT WALLPLATES

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