

SOLUTION DATA SHEET

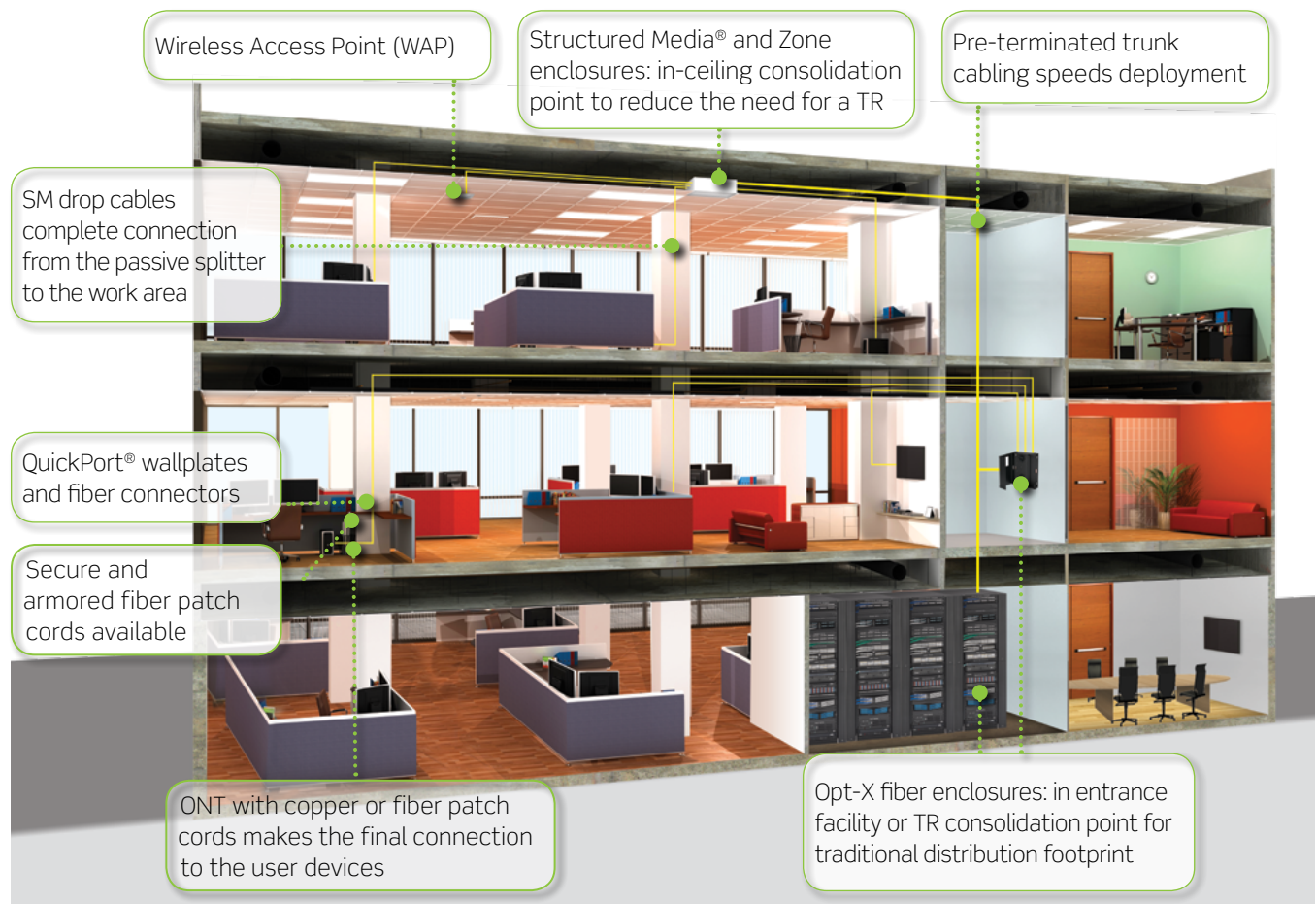
# OPT-X<sup>®</sup> SECURE PON SYSTEM

**Delivering Opt-X<sup>®</sup> 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



## 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](http://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	47605-14E
Structured Media Premium Vented Hinged Door	47605-14S
Structured Media Multimedia Adapter Bracket	47612-MMA
Structured Media Ceiling-Mount Kit	47612-CMK
Zone In-Ceiling Enclosure for Plenum Applications	Z1000-PF2
Zone In-Floor Enclosures for Plenum Applications	Z1000-PC2

## 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	PLC16-003
Opt-X Splitter, 2 x 16, SC/SPC, 2.5-foot leg	PLC26-003
Opt-X Splitter, 1 x 32, SC/SPC, 2.5-foot leg	PLC12-003
Opt-X Splitter, 2 x 32, SC/SPC, 2.5-foot leg	PLC22-003

## 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	5F100-2VC
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## PREMIUM FIBER OPTIC PATCH CORDS

- Ruggedized Armor for single mode
- SC/APC connector options plug into industry-standard SC adapters



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## 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	AxSPP-Mxx
Secure Port Blocker	PPRTN-xSC
SC/APC Extraction Tool	ETRTN-xSC

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

## 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	ATP002AB0707
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Find complete Berk-Tek Fiber Optic Cable information at [berktek.com](http://berktek.com)

## 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	49991-ASC
APC Cleaver	49886-APC

## QUICKPORT® FIBER OPTIC ADAPTERS



- QuickPort adapters snap into QuickPort panels or modules

### PART NUMBERS

SC/APC QuickPort Adapter	41085-ASW
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## LEVITON QUICKPORT WALLPLATES

### PART NUMBERS

Angled Single-Gang QuickPort Wallplate with ID Windows, 1 Port	42081-1xS
Angled Single-Gang QuickPort Wallplate with ID Windows, 2 Ports	42081-2xS
Angled Single-Gang QuickPort Wallplate with ID Windows, 4 Ports	42081-4xS

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