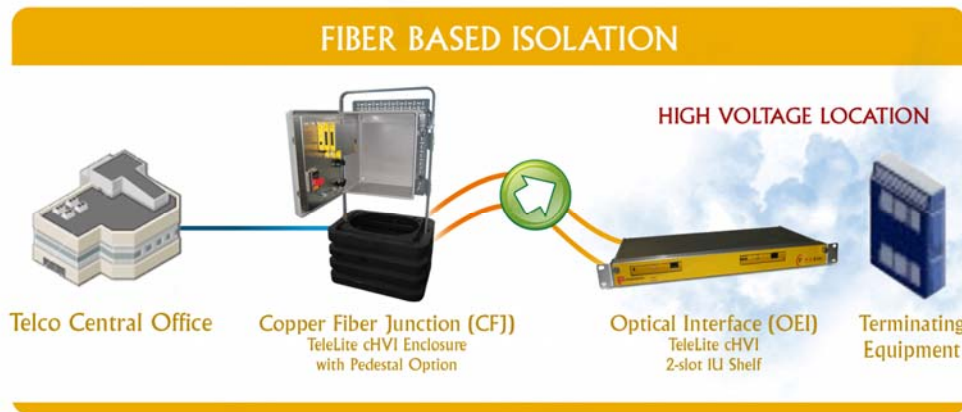


TeleLite compact HVI Solution

Overview

In order to cost-effectively and rapidly deploy its TeleLite Fiber Optic isolation and protection solution in small applications, the compact High Voltage Interface (cHVI) solutions has been added to Positron's Fiber Optic Isolation Portfolio. The cHVI product portfolio is designed to reduce the cost of ownership and improve operational flexibility.

TeleLite has an expanded range of new products to include 2-card and 3-card outdoor enclosures, pedestals and solar powering options as well as a 2-slot 1U indoor shelf. They are designed to meet all applicable IEEE recommendations and FCC standards for High Voltage Isolation installations.



The 2-card and 3-card enclosures are designed for the Copper Fiber Junction (CFJ) and meet IEEE 1590 recommendations. They include terminal blocks, facility protection options and additional space for auxiliary equipment. The cHVI offerings are based on NEMA-4X compliant enclosures for outdoor deployments. Mounting options include H-frame, pole-mount and outside plant pedestal. They are available with solar panel powering for CFJ sites, which do not have access to local hydro powering.

The 2-slot 1U Optical Equipment Interface (OEI) shelf is ideal for smaller isolation applications providing a cost-effective solution.

Key Benefits

The cHVI product line is designed to facilitate ease of installation, field maintenance and provide the needed flexibility to use the full portfolio of TeleLite plug-in cards for use in small applications. This assures interchangeability across all the TeleLite HVI and cHVI configurations.



2-slot 1U Shelf



6-slot Shelf



3-card Enclosure



Outside Plant Pedestal Option

- 2-slot 1U indoor shelf can accommodate all TeleLite cards
- Powered directly from -48 Vdc or from -129 Vdc/115 Vac using a Power/Access Card
- Up to three shelves can be daisy-chained and powered from the same power source
- Can be mounted on a 19" or 23" rack and is also available as a wall-mount

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- 6-slot shelf can accommodate all TeleLite cards with an additional slot reserved for an access interface card

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- Available as a 2-card or 3-card enclosure and can accommodate all TeleLite cards
 - Outdoor enclosures based on NEMA-4X compliance
 - Fast installation package with swing-out shelf for complete access to cards and other components
 - Includes fiber management and optional 5-pin protection modules (3-card enclosure)
 - If local power is required, can be powered directly from -48 Vdc or from -129 Vdc/115 Vac using a Power/Access Card in the enclosure

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- Mounting options for the 2-card and 3-card enclosures include H-frame, pole-mount and outside plant pedestal package

Specifications

	2-slot 1U Shelf	2-card Enclosure	3-card Enclosure
Environmental Operating Temperature	-40 °F to 149 °F (-40 °C to 65 °C)	Outside Air Temperature -40 °F to 115 °F (-40 °C to 46 °C) Inside Air Temperature -40 °F to 149 °F (-40 °C to 65 °C)	Outside Air Temperature -40 °F to 115 °F (-40 °C to 46 °C) Inside Air Temperature -40 °F to 149 °F (-40 °C to 65 °C)
Maximum Power Dissipation Allowed	10 Watts	5 Watts	10 Watts
Storage Temperature	-40 °F to 185 °F (-40 °C to 85 °C)	-40 °F to 185 °F (-40 °C to 85 °C)	-40 °F to 185 °F (-40 °C to 85 °C)
Humidity (non-condensing)	15 to 90%	15 to 90%	15 to 90%
Altitude	-200 to 10,000 ft (-61 to 3,048 m) above sea level	-200 to 10,000 ft (-61 to 3,048 m) above sea level	-200 to 10,000 ft (-61 to 3,048 m) above sea level
Mechanical Dimensions (approx.)	H: 1.75 U W: 19" for 2 slots D: 11"	H: 14" W: 12" D: 6.375"	H: 18" W: 16" D: 9.25"
Unit Weight	3.45 lbs (1.56 kg)	15 lbs (6.8 kg)	24 lbs (10.09 kg)
Unit Material	Aluminum	Polymeric Enclosure	Polymeric Enclosure
Number of Slots	2	2	3
Electrical Power Input	-48Vdc, -129Vdc or 115Vac	-48Vdc	-48Vdc, -129Vdc or 115Vac
Alarm Contact Rating	Dry contact 62.5 VA, 125 Vac, 2A (Station side only)	Dry contact 62.5 VA, 125 Vac, 2A (Station side only)	Dry contact 62.5 VA, 125 Vac, 2A (Station side only)

Table 1: TeleLite cHVI Systems

Shelf Option	Mounting Option	Powering Option
cHVI Polymer enclosure for outdoor or indoor use, available in two sizes: <ul style="list-style-type: none"> ▪ 3-card Shelf - 18" x 16" ▪ 2-card Shelf - 14" x 12" cHVI 2-slot 1U Shelf for indoor use 6-slot Shelf for indoor use	Mounting options for 2-card and 3-card enclosures: <ul style="list-style-type: none"> • Wall • Pole • Pedestal Mounting options for 2-slot 1U or 6-slot shelves: <ul style="list-style-type: none"> • Rack-mount 19" or 23" • Wall-mount 	Available on 3-card enclosure only: <ul style="list-style-type: none"> • Power Terminal Kit 115 Vac • Power Terminal Kit -129 Vdc • Power Terminal Kit -48 Vdc

Table 2: TeleLite cHVI Model Numbers

Description	Model No.
18"x 16" cHVI Polymer Cabinet with 3-card Shelf with Wall-mount and integrated Access card	7222PS-WL
18"x 16" cHVI Polymer Cabinet with 3-card Shelf with Pole-mount and integrated Access card	7222PS-PL
14"x 12" cHVI Polymer Cabinet with 2-card Shelf with Wall-mount and integrated Access card	7221PS-WL
14"x 12" cHVI Polymer Cabinet with 2-card Shelf with Pole-mount and integrated Access card	7221PS-PL
Power Terminal Kit for 18" x 16" Assembly - 115 Vac	7222PT-15
Power Terminal Kit for 18" x 16" Assembly -129 Vdc	7222PT-29
Power Terminal Kit for 18" x 16" Assembly - 48 Vdc	7222PT-48
cHVI 2-slot 1U Shelf	720002
6-slot Shelf	720000

Table 3: TeleLite cHVI Accessories

Description	Model No.
Pedestal for 2-card and 3-card cHVI Cabinets Enclosures (for outdoor use)	7220PE-PG
cHVI 4-line protection module	7250PR-04
5-pin protector kit (5-pin modules, 6 per kit)	72505P-06
5-pin protector kit (5-pin modules, 12 per kit)	72505P-12
Fiber optic patch panel kit, including one 6 duplex fiber patch panel and two fiber optic multi-mode ST connector cables	7200FO-MM
Fiber optic patch panel kit, including one 6 duplex fiber patch panel and two fiber optic single-mode SC connector cables	7200FO-SM
Fiber optic kit, including two fiber optic cables multi-mode ST	7202FO-MM
Fiber optic kit, including two fiber optic cables single-mode SC	7202FO-SM
19" Rack-mount bracket kit for 6-slot Shelf	719997
23" Rack-mount bracket kit for 6-slot Shelf	719996
Wall-mount bracket for 6-slot Shelf	719998
Blank face plate for 2-, 3- and 6-slot Shelves	719999

Note: Total card power dissipation shall not exceed the maximum value power dissipation allowed in the specification table. For individual card power dissipation, refer to the user manual.

Table 4: TeleLite Plug-in Card Model Numbers

Description	Model No.	
Power Input Card Access Card for -48 Vdc Power/Access Card -115 Vac or -129 Vdc	720001: used with 6-slot shelf 721123: used with 6-slot shelf, 2-slot 1U shelf, 3-card enclosure	
	Station Side	CO Side
T1	Local Powered	Line Powered
Single T1 Multi-mode ST Connector	720100MST	720110MST
Single T1 Single-mode SC Connector	720100SSC	720110SSC
Dual T1 Multi-mode ST Connector	720120MST	720130MST
Dual T1 Single-mode SC Connector	720120SSC	720130SSC
Ethernet	Local Powered	Local Powered
Quad Ethernet 10/100 Mbps Multi-mode ST Con.	720920MST (PSE)	720930MST (POE)
Quad Ethernet 10/100 Mbps Single-mode SC Con.	720920SSC (PSE)	720930SSC (POE)
Data 56K DDS	Local Powered	Local Powered
Data 56K DDS Multi-mode ST Connector	720300MST	720310MST
Data 56K DDS Single-mode SC Connector	720300SSC	720310SSC
Data 56K DDS Total Reach	Local Powered	Line Powered
Data 56K DDS Multi-mode ST Connector	720360MST	720370MST
Data 56K DDS Single-mode SC Connector	720360SSC	720370SSC
POTS	Local Powered	Line Powered
Single POTS FX Multi-mode ST Connector	720260MST	720270MST
Single POTS FX Single-mode SC Connector	720260SSC	720270SSC
POTS with Caller ID	Local Powered	Local Powered
Dual POTS w/CLID Ground Start, Loop Start FX Multi-mode ST Connector	720640MST	720650MST (Loop Start) 720651MST (Ground Start)
Dual POTS w/CLID Ground Start, Loop Start FX Single-mode SC Connector	720640SSC	720650SSC (Loop Start) 720651SSC (Ground Start)
Quad POTS w/CLID Ground Start, Loop Start FX Multi-mode ST Connector	720600MST	720610MST (Loop Start) 720611MST (Ground Start)
Quad POTS w/CLID Ground Start, Loop Start FX Single-mode SC Connector	720600SSC	720610SSC (Loop Start) 720611SSC (Ground Start)
2-wire/4-wire AC Data	Local Powered	Local Powered
Single 2W/4W -48 V Multi-mode ST Connector	720460MST	720470MST
Single 2W/4W -48 V Single-mode SC Connector	720460SSC	720470SSC
4-wire AC Data	Local Powered	Local Powered
Dual 4W -48 V Multi-mode ST Connector	720480MST	720490MST
Dual 4W -48 V Single-mode SC Connector	720480SSC	720490SSC
DID	Local Powered	Local Powered
Dual DID FX Multi-mode ST Connector	720740MST	720750MST
Dual DID FX Single-mode SC Connector	720740SSC	720750SSC
Quad DID FX Multi-mode ST Connector	720700MST	720710MST
Quad DID FX Single-mode SC Connector	720700SSC	720710SSC
OPX	Local Powered	Local Powered
Dual OPX FX Multi-mode ST Connector	720840MST	720850MST
Dual OPX FX Single-mode SC Connector	720840SSC	720850SSC
Quad OPX FX Multi-mode ST Connector	720800MST	720810MST
Quad OPX FX Single-mode SC Connector	720800SSC	720810SSC

Note: New TeleLite model numbers reflect new versions updated to meet NEBS Level 3 requirements, in addition to FCC-15 and FCC-68 and CSA/UL requirements. For further information, please refer to the equipment manual.

Ordering Information

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