ZHONE
Bandwidth Changes Everything™

Line Powered, DC Powered or AC Powered Outside Plant Exchange

✓ *Specifically Designed for Zhone's 1U DSLAM and MSAP products*

✓ *Allows for Multiple Powering Options to Ensure Easy Installation in Any Location: DC Power (48 VDC), AC Power (90 / 240 VAC), Line Power (1340 / 190 VDC)*

✓ *Expands DSL and POTS Subscriber Coverage by Easily Bringing DSL and POTS to the Subscriber*

✓ *Supports Multiple DSL Types: ADSL2+, VDSL2, SHDSL, and Active Ethernet*

✓ *Supports MXK-19x GPON deployments*

✓ *Support POTS through VoATM or VoIP Protocols*

✓ *Supports up to 48 DSL or POTS Ports in a Single Small Cabinet*

Zhone innovates yet again to ensure that providers can bring service to their entire subscriber base. Zhone's OPX4300 OSP 1U Outside Plant Exchange is a unique and low cost product that enables service to 100% of the subscriber base by bringing the access closer to the subscriber.

The OPX-OSP 1U provides up to 48 ports of DSL and POTS. The OPX-OSP 1U can be mounted on a wall, or a pole next to existing cabinets. Each OPX-OSP 1U cabinet is shipped pre-wired with 50-pair protection panels and can be used with Zhone's 1U DSLAM and MSAP products. This lets the service provider utilize a single product whether deploying from the central office, existing remote cabinets, or extremely remote locations, making the operational and management of the network that much easier.

The OPX-OSP 1U provides several powering options (DC, AC or LP) to allow for easy installation in all locations. The powering options along with the ADSL2 + , VDSL2, GPON, EFM, and POTS access options ensure the availability of triple play services to any customer.

The versatility of Zhone's new OPX-OSP cabinet allows us to deploy any our our DSLAM's from our extensive DSLAM portfolio into a small form factor cabinet enclosure. The new OPX-OSP simplifies our customers DSLAM deployments and adds a very cost effective method for indoor or outdoor lockable enclosures to our DSLAM portfolio.

Technical Specifications

Dimensions

- 18 in. (W) x 30.1 in. (H) X 8.3 in. (D) - Up to 1RU of internal space available

Weight

- 55 lbs with batteries equiped

Power

- Power Options:
- Telecom DC Input: -48VDC/-60VDC from external power source
- Telecom LP Input: +/- 130VDC / +/- 190VDC over up to 25 copper pairs
- Universal AC Input: 90VAC to 264VAC
- DC Rectifier1: 1x5 Amp (second 5A module optional for redundancy)
- Battery Backup
- Battery String: 1 string with 20 Ah (2-3 hours backup time)

Interfaces

- Protection Blocks:
- 50 pairs (3M MS^2 connector for splicing / Telco 50-pin connector for equipments)
- Mounting Options:
- Pole, wall, or H-frame
- Uplink Options:
- T1, E1, Multiport T1/E1, GigE Fiber, 10/100/1000BT

Operating Requirements

- Operating Temperature: -40C to 65C
- Storage Temperature: -40C to 158C
- Relative Humidity: 5% to 95%

Ordering Information

MODEL	DESCRIPTION
OPX-OSP CABINET MODELS	
OPX-OSP-1U-50P-AC	1U OSP PREWIRED 50 PORT PROT PANEL W/ AC/DC POWER RECTIFIER
OPX-OSP-1U-BTRY-50P-AC	1U OSP PREWIRED 50 PORTS W/ AC/DC POWER W/8 AMP HOUR BATTERIES EQUIPPED
OPX-OSP-1U-50P-DC	1U OSP PREWIRED 50 PORT PROT PANEL W/DC POWER STRIP
OPX-OSP-1U-50P-LP	1U OSP PREWIRED 50 PORT PROT PANEL W/ DC/DC LINE POWER CONVERTOR
OPX-OSP-1U-FIBER-AC	1U OSP W/2 8-PORT FIBER TERMINALS W/ AC/DC POWER RECTIFIER
OPX-OSP-1U-FIBER-BTRY-AC	1U OSP W/2 8-PORT FIBER TERMINALS W/ AC/DC POWER RECTIFIER W/8 AMP HOUR BATTERIES EQUIPPED
ACCESSORIES	
OPX-4300-10-5PIN-PROTECTOR	UPGRADE KIT W/ 10 5-PIN SOLID STATE PROTECTORS FOR OPX4300 CABINETS

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