

# VERTIV™ BBE DSX SERIES

DSLAM Cross Connect Enclosures



## KEY FEATURES

- DSLAM and cross-connect chambers are housed in a single enclosure to reduce deployment costs and simplify transition to digital services.
- Free-breathing, chamber for DSLAM units provides necessary air flow, protects units from vandalism, allows craft separation.
- Weather-resistant chamber for cross connect fields that restrict moisture; accommodates Vertiv RLS50 terminal blocks certified to EIA/TIA 568-A Category 5.
- Same terminal block style for both POTS and DSLAM providing flexibility to assign available pairs to either service.
- Line or AC power feed configurations utilize the available local sources to power the DSLAM units or feed remotely.
- Aerial or pad-mount options reduce site restrictions and accommodate varying amounts of contained equipment.
- Vertiv RLS terminal blocks provide moisture resistant IDC termination for years of trouble-free field service.
- Drop-down, removable cross-connect terminal fields simplify cable feeding and splicing.

Vertiv™ BBE DSX Series simplify and reduce the cost of broadband deployment and offer a proven track record for fast, dependable connections and years of service in the field.

## Description

The Vertiv BBE DSX Series of DSLAM Cross Connect Enclosures integrate a protective, ventilated compartment for weather-hardened DSX series electronics with a weather-resistant compartment for cross-connect fields in a single enclosure. Utilizing Vertiv's RLS insulation displacement connection (IDC) terminal blocks, the enclosures offer a proven track record for fast, dependable connections and years of service in the field.

Vertiv BBE DSX Series enclosures are available in two configurations: an aerial enclosure that provides ease of access to cross connect chambers and DSLAM units, and a back-to-back configuration for pad mounting. Both configurations feature a free-breathing chamber for weather-hardened DSLAM electronics, and a separate chamber for cross-connect fields. Configurations to support AC-powered or line-powered DSLAMs are available. Total cross-connect pair capacities of the aerial enclosures range from 200 to 900 pairs. Pad-mount pair capacities range from 400 to 1200 pairs.

Initially Vertiv BBE DSX Series enclosures may be deployed to pass through voice phone service (POTS) to customers.

Then, as customers subscribe to enhanced services, the service provider can change the arrangement of the cross-connect jumpers to route the output of the DSLAM to those customers desiring enhanced services.

## Application

The Vertiv BBE DSX Series enclosure is a serving area interface (SAI), generally deployed between the central office (CO) and customer distribution pedestals. Some units may be deployed in conjunction with remote terminal (RT) enclosures, thus locating them between the RT and the distribution pedestal. In general, hardened DSLAM units are configured with limited pair counts, making them best suited for deployment in rural or other areas with lower customer density.



## Dual-Chamber Multipurpose Enclosures

All Vertiv™ BBE DSX Series enclosures accommodate DSLAM and cross-connect equipment in a single enclosure and are manufactured of heavy gauge mill-galvanized steel, treated with a powder-coat paint process on all interior and exterior surfaces for extended life.

### Aerial Enclosure

In the aerial configuration, the cross-connect field is on the left side in a weather-resistant chamber and the DSLAM equipment is in the right side in a free breathing vented chamber.

### Pad-Mount Enclosure

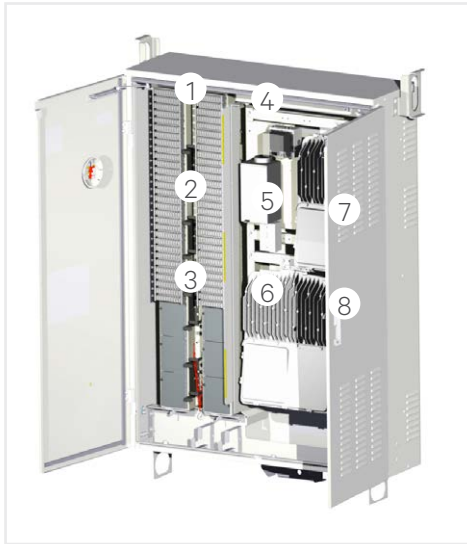
In the pad-mount configuration, the dual chambers are back-to-back. The cross-connect chamber is on the front side to facilitate jumper wiring, and the DSLAM chamber is on the back side.

### Cross-Connect Chamber

The separate cross-connect chamber in both the aerial and pad-mount enclosures includes a gasketed, lockable, weather-resistant door. Drop-down terminal block panels are chain-supported and removable to simplify cabling and splicing. This chamber is designed to comply with Telcordia GR-3115-CORE requirements for reliability and quality.

### DSLAM Chamber

In both the aerial and pad-mount enclosure, the DSLAM chamber is configured to accept environmentally hardened DSLAM units that are accessible through double pad-lockable doors. Both enclosures are designed to accept up to two DSLAMs, depending on the make and model of the equipment.



Aerial Enclosure



Pad Mount Cross-Connect Chamber  
(front side)



Pad Mount DSLAM Chamber  
(back side)

- 1. Cross-Connect Chamber
- 2. RLS Blocks
- 3. Drop-Down Removable Panels

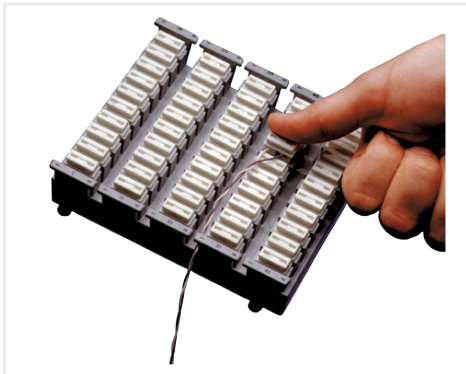
- 4. DSLAM Equipment Chamber
- 5. AC Load Center
- 6. DSLAM Equipment

- 7. Free-Breathing Ventilation
- 8. Pad Lockable Door
- 9. Fiber & Fiber Splice Storage

## Flexible Enclosure Design with Multiple Configuration Options

### Terminal Blocks

Vertiv™ BBE DSX Series enclosures feature Vertiv RLS terminal blocks as standard equipment. They are self-strip, IDC (Insulation Displacement Connection) blocks, and blocks are hard-wired to a harness behind the block face. Because the same style cross-connect blocks are used for all pairs, the service provider may divide them up between POTS and digital service in any combination and label them accordingly. Depending upon the enclosure style (pole or pad-mount) and the style of block chosen, a maximum pair capacity of 1800 pairs is available.



50 Pair RLS Block

### Thermal

Heat dissipation from the DSLAM units and solar loading is accomplished with a passive ventilation path designed to meet Telcordia GR-487 CORE requirements. Air enters and exits through ventilation in the chamber panels or doors that maximize heat dissipation.

### Line vs AC Powering

DSLAM equipment may be line powered or AC powered. AC powered enclosures include an AC load center with surge arrester, one 15 A circuit breaker and four AC receptacles for equipment in the DSLAM chamber. The load center is accessible through an access panel on the exterior of the enclosure.

### Craft Separation

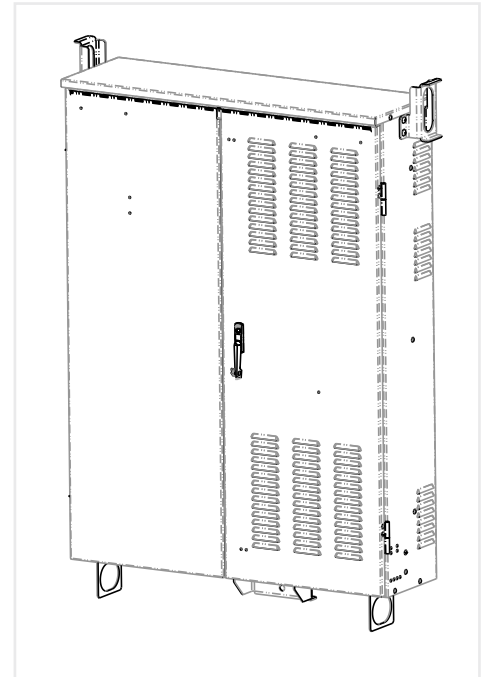
Craft separation is accomplished with individual chambers for DSLAM electronics and cross-connect fields. Both chambers are pad-lockable and secured by industry-standard B-216 latches.

### Aerial or Pad Mounting

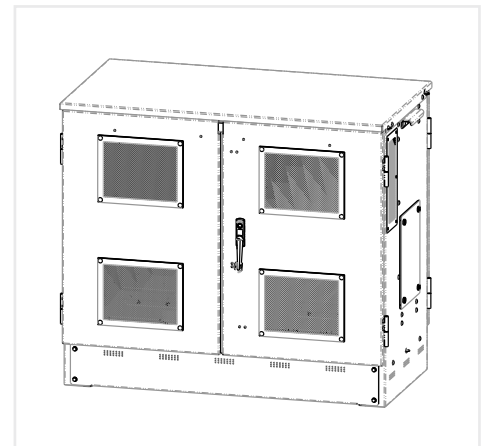
Aerial enclosures are provided with pole-mount kits that include top and bottom brackets to attach the enclosure to the pole. Pad-mount enclosures may be mounted on an optional pour in place template (part number F571315).

### Options and Accessories

Available accessories include RLS50 terminal blocks (up to maximum enclosure pair count), pair testers, service caps, block numbers, and cable entry kits.



Aerial Enclosure  
(62" H x 46" W x 14" D)



Pad Mount Enclosure  
(38" H x 44" W x 24" D)

**Ordering Information**

CATALOG NUMBER	PART NUMBER	DESCRIPTION	PAIR COUNT	BLOCK TYPE	COLOR
<b>AERIAL - LINE POWERED</b>					
ADSXC02RLSGBLP	F1010897	Aerial line powered enclosure	200	RLS50 with MS2 connectors	Cool white
ADSXC03RLSGBLP	F1010899	Aerial line powered enclosure	300	RLS50 with MS2 connectors	Cool white
ADSXC04RLSGBLP	F1010901	Aerial line powered enclosure	400	RLS50 with MS2 connectors	Cool white
ADSXC06RLSGBLP	F1010903	Aerial line powered enclosure	600	RLS50 with MS2 connectors	Cool white
ADSXC09RLSGBLP	F1010905	Aerial line powered enclosure	900	RLS50 with MS2 connectors	Cool white
ADSXC02RLSCFLP	F1010898	Aerial line powered enclosure	200	RLS50 with 710 connectors	Cool white
ADSXC03RLSCFLP	F1010900	Aerial line powered enclosure	300	RLS50 with 710 connectors	Cool white
ADSXC04RLSCFLP	F1010902	Aerial line powered enclosure	400	RLS50 with 710 connectors	Cool white
ADSXC06RLSCFLP	F1010904	Aerial line powered enclosure	600	RLS50 with 710 connectors	Cool white
ADSXC09RLSCFLP	F1010906	Aerial line powered enclosure	900	RLS50 with 710 connectors	Cool white
<b>AERIAL - AC POWERED</b>					
ADSXC02RLSGBAC	F1010907	Aerial AC powered enclosure	200	RLS50 with MS2 connectors	Cool white
ADSXC03RLSGBAC	F1010909	Aerial AC powered enclosure	300	RLS50 with MS2 connectors	Cool white
ADSXC04RLSGBAC	F1010911	Aerial AC powered enclosure	400	RLS50 with MS2 connectors	Cool white
ADSXC06RLSGBAC	F1010913	Aerial AC powered enclosure	600	RLS50 with MS2 connectors	Cool white
ADSXC09RLSGBAC	F1010915	Aerial AC powered enclosure	900	RLS50 with MS2 connectors	Cool white

## Ordering Information

CATALOG NUMBER	PART NUMBER	DESCRIPTION	PAIR COUNT	BLOCK TYPE	COLOR
ADSXC02RLSCFAC	F1010908	Aerial AC powered enclosure	200	RLS50 with 710 connectors	Cool white
ADSXC03RLSCFAC	F1010910	Aerial AC powered enclosure	300	RLS50 with 710 connectors	Cool white
ADSXC04RLSCFAC	F1010912	Aerial AC powered enclosure	400	RLS50 with 710 connectors	Cool white
ADSXC06RLSCFAC	F1010914	Aerial AC powered enclosure	600	RLS50 with 710 connectors	Cool white
ADSXC09RLSCFAC	F1010916	Aerial AC powered enclosure	900	RLS50 with 710 connectors	Cool white

### PAD MOUNT - LINE POWERED

DSXPAD04RLSGBLP	F1009924	Pad mount line powered enclosure	400	RLS50 with MS2 connectors	Off white
DSXPAD06RLSGBLP	F1009670	Pad mount line powered enclosure	600	RLS50 with MS2 connectors	Off white
DSXPAD08RLSGBLP	F1009925	Pad mount line powered enclosure	800	RLS50 with MS2 connectors	Off white
DSXPAD12RLSGBLP	F1009926	Pad mount line powered enclosure	1200	RLS50 with MS2 connectors	Off white
DSXPAD04RLSCFLP	F1010300	Pad mount line powered enclosure	400	RLS50 with 710 connectors	Off white
DSXPAD06RLSCFLP	F1010301	Pad mount line powered enclosure	600	RLS50 with 710 connectors	Off white
DSXPAD08RLSCFLP	F1010302	Pad mount line powered enclosure	800	RLS50 with 710 connectors	Off white
DSXPAD12RLSCFLP	F1010303	Pad mount line powered enclosure	1200	RLS50 with 710 connectors	Off white

## Ordering Information

CATALOG NUMBER	PART NUMBER	DESCRIPTION	PAIR COUNT	BLOCK TYPE	COLOR
<b>PAD MOUNT – AC POWERED</b>					
DSXPDAD04RLSGBAC	F1009928	Pad mount AC powered enclosure	400	RLS50 with MS2 connectors	Off white
DSXPDAD06RLSGBAC	F1009929	Pad mount AC powered enclosure	600	RLS50 with MS2 connectors	Off white
DSXPDAD08RLSGBAC	F1009930	Pad mount AC powered enclosure	800	RLS50 with MS2 connectors	Off white
DSXPDAD12RLSGBAC	F1009931	Pad mount AC powered enclosure	1200	RLS50 with MS2 connectors	Off white
DSXPDAD04RLSCFAC	F1010304	Pad mount AC powered enclosure	400	RLS50 with 710 connectors	Off white
DSXPDAD06RLSCFAC	F1010305	Pad mount AC powered enclosure	600	RLS50 with 710 connectors	Off white
DSXPDAD08RLSCFAC	F1010306	Pad mount AC powered enclosure	800	RLS50 with 710 connectors	Off white
DSXPDAD12RLSCFAC	F1010307	Pad mount AC powered enclosure	1200	RLS50 with 710 connectors	Off white

Note: All enclosures accept up to two Adtran TA1100 DSLAMs or two Calix E3-48 series DSLAMs.