

# High-Speed VDL 3.1 Access Multiplexer (AM)

## Concentrate your wiring scheme and enhance your data solution

The Charles Access Multiplexer (Part Number HVDL 381) is used in conjunction with the High-Speed Voice and Data Link (HVDL) 3.1 System. It enhances your high-speed data solution by aggregating data, allowing various forms of provisioning and performing basic alarm functions.

The Access Multiplexer is deployed in the last two slots (furthest right) on either 19" or 23" Charles HVDL Shelves. The unit is NEBS Level 3 Certified.

## Data Aggregation Functions

- Aggregate data from up to 17 HVDL 3.1 COTs simultaneously at up to 1.0 Mbps per COT
- Multiple AM's may be daisy chained to a single 100 Base TX port for uplink
- Compatible with standard 10/100 Base TX Ethernet switches, routers, and network interface cards
- COTs need not be in the same shelf as the Access Multiplexer for data aggregation

## Provisioning Functions

- Allows for configuration of individual COT line units that are connected to it
- Provisioning of the Access Multiplexer from the front panel via laptop or handheld device. A command interface is provided
- Can be downloaded with new software without interrupting operations from a remote site
- Incorporates up to five levels of security passwords for affecting operations that are set by the user
- Provides an onboard web page that will allow provisioning from any internet access point, provided the proper security is followed

Visit our website at <http://www.charlesindustries.com>

Charles Industries, Ltd.  
Telecommunications Group  
5600 Apollo Drive  
Rolling Meadows, IL USA 60008

Telephone: (847) 806-6300  
Fax: (847) 806-6231  
E-Mail: [mktserv@charlesindustries.com](mailto:mktserv@charlesindustries.com)



## Alarm Functions

- Provides all alarm functions (replaces DDL 381 Alarm Card)
- LED indicators are provided for power, major alarm, minor alarm, ACO, uplink, receive data, transmit data and data alarm

## Specifications

### Physical Size:

|         |        |
|---------|--------|
| Depth:  | 8.997" |
| Width:  | 1.865" |
| Height: | 4.680" |

**Weight:** 1 lb., 8 oz. / 680 g.

### Electrical:

|                    |            |
|--------------------|------------|
| Input voltage:     | 42V to 52V |
| Input current:     | 750 ma     |
| Power dissipation: | 31 watts   |