

Pulsecom Alerts

Reducing DLC Maintenance Costs

Contact Us

800-381-1997

www.pulse.com

[E-mail Pulsecom](mailto:info@pulse.com)

Join Our Mailing List!

The problem

Tens of thousands of legacy Digital Loop Carrier (DLC) systems are still in service and many are fed by increasingly fragile copper T1 or HDSL pairs. Dwindling spare pairs result in more and more truck rolls and more and more time spent diagnosing, patching and splicing. The result? Service interruptions, soaring maintenance costs, and crews pulled away from critical network upgrades.

A Strategy

Fiber facilities are increasingly common. Even in relatively thin route areas, efforts to increase cell tower bandwidth have placed fiber near or in DLC cabinets. Many DLC RTs now support DSL with optical backhaul. A proven and cost effective strategy to reduce DLC maintenance costs is to leverage these fiber facilities and employ the same solution used today for cell site backhaul at thousands of towers: Pulsecom's O3-12D1D OC3 to 12DS1 all-in-one mux.

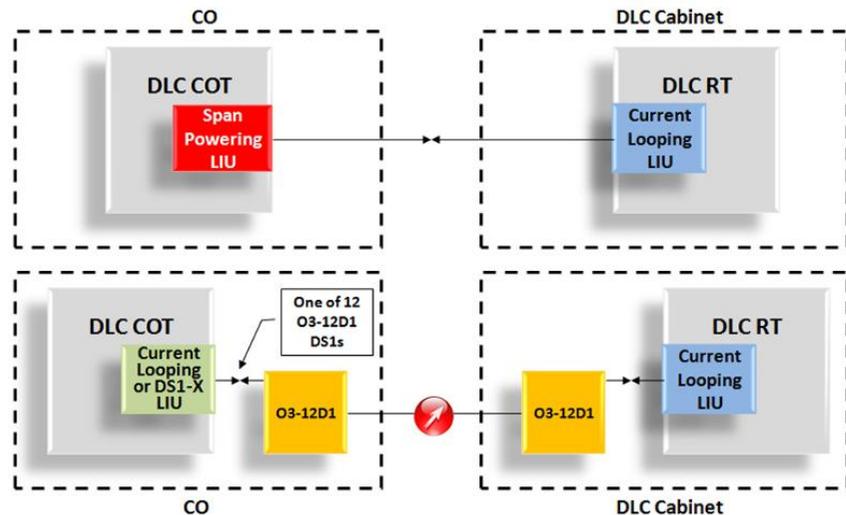
This miniature device can replace 12 HDSL or T1 spans with a single fiber. Available in Type 400 mechanics (Model: O3-12D1D) and 3192 mechanics (Model: O3-12D1L3D), O3-12D1s can be deployed in shelves already installed in many DLC cabinets. Or, use a Pulsecom single slot O3D3-RT REVb micro-mounting.



O3-12D1D

DLC Copper-to-Fiber DS1 Conversion

Typical Conversion of Universal DLC



[Follow this link for more details, diagrams illustrating upgrades for HDSL fed universal and integrated DLC configurations, and a list of compatible DLC Line Interface Units.](#)

The future

Pulsecom's cost-effective all-in-one circuit packs share universal mountings. Moving from DS1 service to DS3 service can be done in minutes and the DS1 card returned to PICs to complete a zero-cost upgrade. When it's time for Ethernet, the O3-12D1D, O3D3-MO and 3 DS3 O3-3D3D are plug-compatible with Pulsecom's Ethernet units.

For more information on any Pulsecom Access products, go to www.pulse.com.

Please feel free to contact me directly at 703-471-2926 or any Pulsecom representative with questions or comments, and thank you again for your business and continued interest in Pulsecom.

Sincerely,

Winnie Evans
Pulsecom