



## Legacy LN-SM7 Nodes

### DFB Return Path Transmitter Upgrades



- DFB single return path transmitter module replacements for FP lasers
- Cost –effective way to support DOCSIS® 3.0
- Plug and play for minimal service interruption
- Returns the node to its original factory specification
- Full ARRIS warranty and 24/7 service support
- Laser options include;
  - 1310 nm return path transmitter module with optical output power at 2 mW
  - 1550 nm return path transmitter module with optical output power at 2.5 mW
  - CWDM return path transmitter module, ITU channel width spacing

Cable Operators often face challenges leveraging existing networks to minimize CAPEX, OPEX and market risk and to offer lucrative new services that subscribers demand.

The ARRIS 1310, 1550 and CWDM DFB single return path transmitter modules are designed to field-replace FP lasers in the ARRIS legacy LN-SM7 nodes, providing 1 GHz capacity, DOCSIS 3.0 support, greater reliability and greater return path capability.

The plug and play DFB return path transmitter replacement modules have low power consumption and good heat dissipation that increase service life and reliability. A convenient DC test point provides an indicator for optical output power (1V/mW).

In addition to 1310 and 1550 nm DFB options, ARRIS also provides a CWDM option for customers who are interested in multi-wavelength planning over a single fiber. CWDM transmitters provide the ability to migrate other wavelengths into the usable spectrum for current and future applications such as additional node segmentation and/or business services.

ARRIS solutions for 1 GHz upgrades also include the Opti Max™3100 2 x 2 segmentable node and the Opti Max 4100 fully segmentable (4 x 4) node. Please contact your ARRIS sales professional for more information on these products.

## Product Flyer

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