Aurora's Transmitter Advantages

For more information, please contact:

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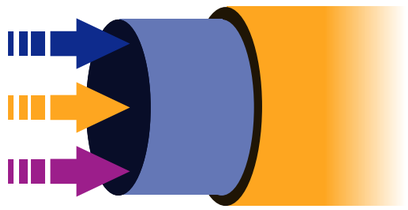
- **Future-Proof Your Network**
  Take advantage of the most complete leading-edge high-performance transmission technologies for the greatest flexibility in planning network wavelength allocation and bandwidth-per-subscriber requirements.
- **Reduce Fiber Requirements**
  Maximize the number of forward and reverse transmission wavelengths on a single fiber.
- **Save Money and Time Segmenting Service Areas**
  Implement Aurora's *Lc***WDM** technology to make segmenting nodes easy, fast and cost effective.
- **Achieve High Transmitter Density**
  Leverage the benefits of low power consumption and efficient mechanical packaging designs that permit high packaging densities per chassis (and per rack), with active and passive devices resident in the same chassis.
- **Achieve Optimal Performance**
  Maximize efficiency and reliability by using transmitter lasers that only operate at their "sweet spot".
- **Reduce Headend and Hub Service Costs**
  Reduce cabling, increase reliability and service the transmitters quickly and easily using "zero-slot" integrated mux backplates.
- **Reduce Monitoring and Management Costs**
  Seamlessly monitor and control locally or remotely with Aurora's Opti-Trace family of software products.

1 wavelength of 1550 nm Broadcast
AND
40 wavelengths of 1550 nm DWDM Narrowcast
AND
8 wavelengths of *Lc*WDM BC/NC
OR
1 wavelength of 1310 nm BC/NC



Maximize the wavelengths on a single fiber

Preferred Components for Optical Headend Systems

Aurora offers a complete line of headend components to support our transmitter families. These include a wide range of optical amplifiers (including gain-flattened models), feature-rich broadcast/narrowcast Light-Plex™ combiners (with remote power level monitoring and management), optical switches, and the industry's widest range of optical passives.

M06-003 05/08 Rev B

Forward Path
1 GHz Transmitters

aurora NETWORKS

A whole new light, growing brighter!

Aurora's Families of 1 GHz Transmitters

Performance, Cost, Features, Breadth

Aurora's families of 1 GHz transmitters serve as the launching point for the industry's most innovative optical transport headend platform. By offering the widest range of cost-effective solutions for network extensions, upgrades, and new builds, Aurora Networks fulfills all of your architectural needs.

Each of Aurora's transmitters features:

- Low power consumption (and high reliability)
- Local or remote monitoring and control
- High density packaging
- Compatibility with Aurora's ultra-flexible, reconfigurable CH3000 Chassis Platform
- Ease of installation and hot-swappable servicing with Aurora's patented, dynamic backplate system

Forward Path Transmitter Families with 1 GHz Passbands

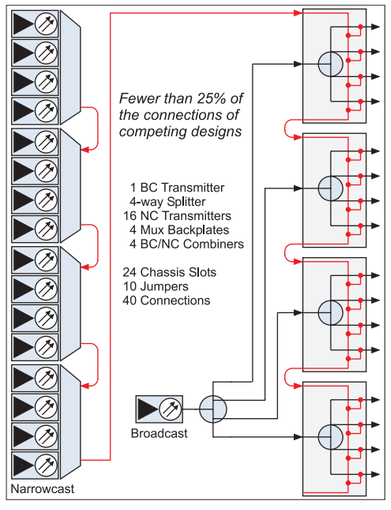
1550nm	Broadcast	Narrowcast
	AT355*A-**-00-AS Series	AT3510G-**-1-AS Series
LcWDM	AT33**L-**-2-AS Series	
1310nm	AT33**G-E-1-AS Series (Enhanced Performance) AT33**G-N-*-AS Series (Standard Performance) AT33**G-A-2-AS Series (Standard Performance with AGC)	

1550 nm Broadcast Transmitters

Aurora's AT3550 series externally modulated transmitters are optimized for various channel loading requirements.

- Transmission distances of 65 or 100 km
- 9.5 dBm minimum optical output power
- High level of SBS suppression

BC/NC Links — The Aurora Way



1550 nm Narrowcast DWDM Transmitters

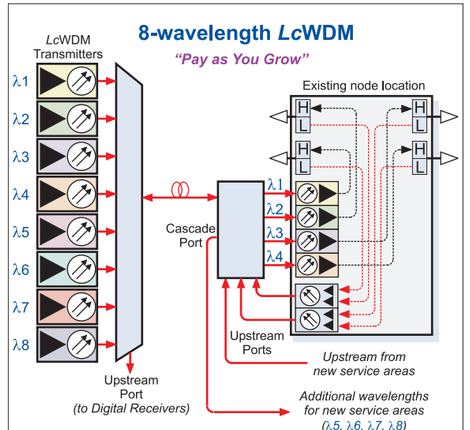
Aurora's AT3510G series Narrowcast Transmitters are designed primarily for QAM-modulated narrowcast digital services.

- Available in 40 DWDM wavelengths enabling transmission of up to 32 256 QAM modulated channels per wavelength on the ITU grid
- 10 dBm optical output power
- Increased reliability and up to 75% less cabling and connections required when used with mux backplates
- Programmable dispersion compensation

*Lc*WDM™ Transmitters

Aurora's AT3300L series Transmitters transform a single 1310 nm forward path fiber into an eight-wavelength superhighway ideal for service area segmentation up to 30 km.

- Multiple output powers from 6 to 12 dBm
- Dual RF input version ideal for combining separate broadcast and narrowcast inputs
- AGC is standard



1310 nm Enhanced Performance Transmitters

Aurora's AT3300G-E series Transmitters achieve the industry's highest performance over an extended temperature range.

- Industry's highest guaranteed performance
- Models available from 2 to 15 dBm link loss budgets
- Widest operating temperature range (-20 to +65 C)

1310 nm Standard Performance Transmitters

Aurora's AT3300G series transmitters are available with either a single RF input or dual RF inputs with AGC option.

- Models available from 3 to 15 dBm link loss budgets
- Most cost-effective transmitter for widest range of applications
- Dual RF input option that is ideal for combining separate broadcast and narrowcast inputs