



FTTMax™ RFoG (RF Over Glass)

FTTM2000 Optical Network Unit (ONU)



Flexible, Scalable Solution for Fiber Architectures

- More bandwidth with 1 GHz
- Conserves space and powering with a small form factor, and less than 4 watts power consumption
- All passive network and ONUs at the customer premises simplifies fault isolation
- Provides flexibility in network design with 1310/1550 nm or 1610/1550nm optical channel plans available
- Allows high speed data services to be added using optional built in EPON upgrade port
- Conforms to SCTE RFoG standard for alignment with IEEE 802.ah Gigabit EPON
- Optical automatic gain control (AGC) maintains RF output levels over a range of optical inputs
- Burst mode upstream transmission suppresses noise from the subscriber location

Cable operators today must have investment-protecting, cost-effective, and scalable solutions that leverage existing infrastructure. Operators can now supply greenfield communities and small to medium businesses with video, voice, and data at DOCSIS® speeds, and quickly “light up” MDUs and rural communities in an economical fashion with ARRIS Fiber to the Premises RFoG solutions. ‘All fiber’ connectivity enables cable operators to claim parity with other Fiber to the Home (FTTH) architectures and provides a future migration path to EPON without changing the outside plant infrastructure. Triple play services delivered over RFoG work the same as those delivered over coax and make use of existing headend, back office and customer premise equipment.

RFoG Solutions for Parity with FTTH Networks

The FTTMax RFoG Optical Network Unit (FTTM2000) is part of the ARRIS fiber to the premises solutions portfolio. The FTTM2000 is a 1 GHz optical network unit that converts optical signals carrying voice, video and data to RF signals at the customer premises. The EPON upgrade port option allows the FTTM2000 to pass Gigabit EPON wavelengths to support separate EPON services on the same fiber network without the need for additional optical passives. Combined with the CHP CORWave™ II multi wavelength transmitters, a wide selection of optical passives, Trans Max™ RFoG repeaters, and CHP low noise return receivers, the FTTM2000 leverages existing HFC infrastructure and back office systems to provide cable operators with the ability to extend their fiber networks easily, incrementally, and economically.

Cable Friendly Options

- Local powering convenience - optional AC adapter * with USA or European plugs
- Suitable for commercial applications in an optional 1 RU rack mount form factor
- FP or DFB laser technology

**Coax power jumpers not included. Customized jumpers available – please contact your authorized ARRIS professional.*

FTTMax™ RFoG Optical Network Unit

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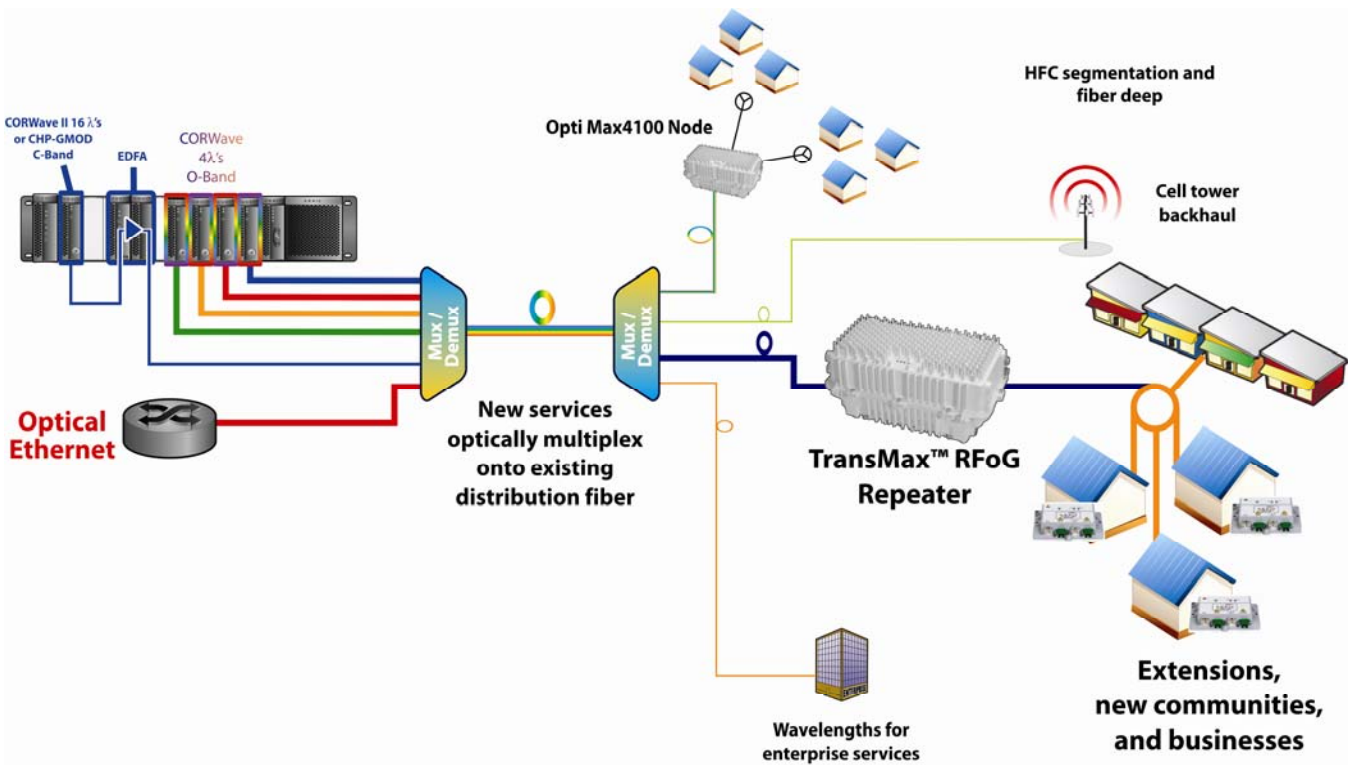


Diagram shows how RFoG can share existing distribution fiber with other services using multi-wavelength technology.

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