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Auxora Introduces NG-PON2 ready PON CEx

Auxora now offers the latest NG-PON2-ready PON CEx (or Co-Existence) filters, enabling operators to add the newest NG-PON2 signals onto existing PON networks. Auxora's passive PON CEx filter modules allow for the continued operation of current services with minimal downtime, enabling the expansion of fiber services into the future with the latest PON technology; NG-PON2.

NG-PON2 (also known as TWDM-PON), Next-Generation Passive Optical Network 2 is a telecommunications network standard developed by ITU in 2015 to allow PONs even more data delivery. The technology specifies an architecture capable of a total network data transfer rate of 40 Gbit/s; corresponding to up to 10 Gbit/s symmetrical downstream/upstream throughput available to subscribers.

A passive optical network is a last mile, FTTx or fiber-to-the-x telecommunications network that broadcasts data through fiber optic cables. The "x" in the equation stands for Building, Premises, Neighborhood, etc. A PON consists of passive optics such as unpowered splitters and filters, offering *high reliability* and *low cost* compared to active networks. The PON data stream is generally converted to a more traditional service such as Ethernet or Wi-Fi at the subscribers' location. NG-PON2 is compatible with existing PON installations because it occupies separate transmission wavelengths. The installed equipment replaces the optical line terminal (OLT) at the central office, and the optical network unit (ONU) near each end-user. Unique to this standard is the use of both active filters and tunable lasers in the ONU.

About Auxora

Auxora is a leading provider of optical thin film filter-based products as well as proprietary bulk diffraction grating based products. In particular, Auxora's products include DWDM and CWDM filters, Optical add/drop filters, Gain Flattened Filters (GFF) used in optical amplifiers, and 50GHz/100GHz tunable filters. Auxora products offer competitive solutions to telecom, datacom and CATV/MSO service providers to solve their "fiber exhaustion" problems. Our products deliver higher bandwidth solutions and provide for more flexible network options. Auxora's thin film filters are also used in bio/medical devices and in other non-telecom fields.

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