

Pretium EDGE® Advanced Optical (AO) Solutions

Features and Benefits

Advanced Optics

Pretium EDGE® AO Solutions is a comprehensive suite of advanced optical components that enables:

1. Higher levels of data center and storage area network performance
2. Easy migration to 40G and 100G
3. Flexible design options
4. One simple platform for deployment

Pretium EDGE AO Technology integrates directly into your Pretium EDGE Solutions cabling system for maximum efficiency and return on investment.

Product	Application	Feature	Benefit	Value
Conversion modules and harnesses	40G and 100G parallel optics	Transition connectivity from 12 to eight fibers	Ensure 100 percent utilization of trunks	Seamless migration to 40 and 100G
		Industry-best density of modules, harnesses	Port efficiency, high rack space utilization	Higher revenue generation per rack unit
12- and 24-fiber MTP® assemblies	40G and 100G parallel optics	Smaller outside diameter and form factor	Reduced congestion in high-connectivity environment	Simplified moves, adds and changes (MACs)
Integrated port tap module	Network monitoring	Integration of the tap device into the structured cabling component (module)	No additional rack space required	Higher revenue generation per rack unit
		10G and 40G modules available	“Built-in” ability to change monitored ports without disruption to live traffic	Eliminates downtime associated with port tap changes

Elevated Engineering

Cabling solutions for the data center require thoughtful engineering — carefully designed innovations that reduce costs, improve access and make installation nearly error proof. That’s the Corning Cable Systems difference and it’s what sets Pretium EDGE Solutions apart.

Performance	Feature	Benefit	Value
Fully integrates into Pretium EDGE Solutions	Utilizes Pretium EDGE Solutions hardware and trunks	Use existing infrastructure and only swap out modules/panels	Higher return on investment
			Reduced installation costs
Internal, universal polarity management	Modules and harnesses are wired to maintain polarity at both ends of the link	No “A and B” components or different installation configurations required to maintain polarity	Simplified system design
			Reduced installation time and complexity
			Faster, easier MACs
Reversible MTP adapters	Module MTP adapters can be flipped to change polarity when electronics or design changes dictate	Easy in-field changes to polarity as required without new products	Reduced risk of installation delays or errors during commissioning of new devices
ClearCurve® fiber-enabled	All Pretium EDGE AO Solutions components use Corning’s bend-insensitive multimode fiber	Enables smaller form factor modules and reduced OD for jumpers, trunks and harnesses	Higher density within racks for increased rack revenue generation
			Reduced congestion within and between racks for improved airflow
			Less risk of downtime due to pinched or bent cables

Pretium EDGE AO Conversion Modules are designed for the anticipated 100GBase-SR-4 standard

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