



System-Level Fiber Management for Co-Packaged Optics Architectures

Turning CPO Components into Deployable Systems with Corning's Optical Management System (OMS)

As Co-Packaged Optics (CPO) architectures move from component innovation to real-world deployment, system-level fiber organization becomes critical. Corning's **Optical Management System (OMS)** provides the physical framework that brings structure, clarity, and serviceability to high-density fiber connectivity environments.

OMS sits downstream of FAUs, harnesses, and cassettes, translating precision optical components into a **deployable, customer-ready system**. It is designed to show how fiber is routed, managed, and maintained inside advanced switching platforms and CPO-enabled systems.

Connect with Confidence

- Scalable fiber management for AI architectures
- Structured fiber routing at extreme densities
- Precise, repeatable fiber coupling at scale

The OMS is designed around these guiding principles:



System First

OMS represents the full optical management tray, showing how fibers exit FAUs, transition through harnesses and cassettes, and are ultimately organized at the system level.



Density with Discipline

The system visually and physically demonstrates high-density fiber routing, bend control, and spatial management, addressing key challenges for next-generation switches and data center platforms.



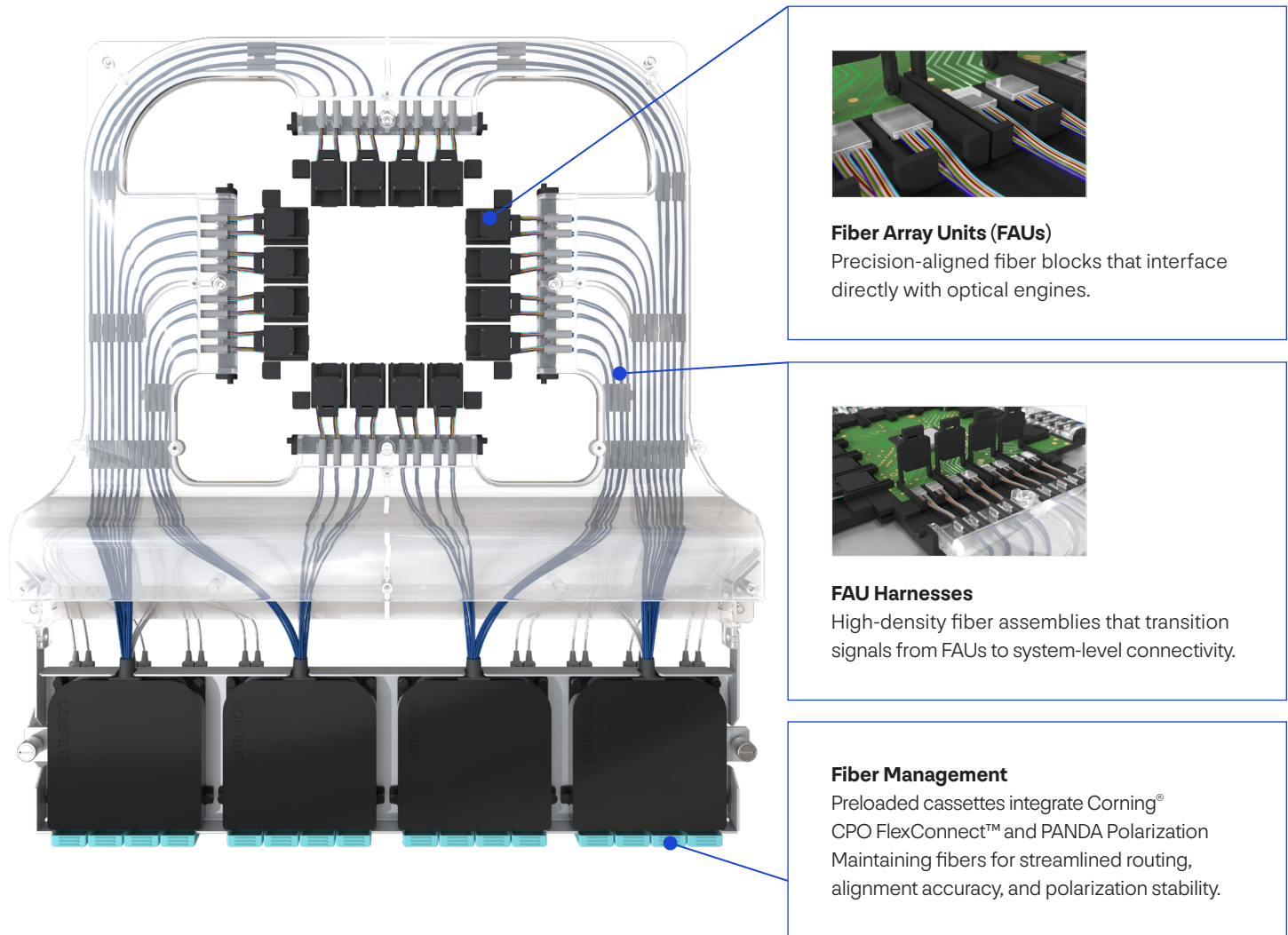
Deployment Ready

A scalable, customizable platform that brings fiber routing, mounting, and serviceability together into a complete, deployable CPO system.

From Innovation to Implementation

As CPO adoption accelerates, customers need more than components—they need confidence in how those components integrate into real systems. Corning's Optical Management System (OMS) delivers that confidence by turning high-density optical connectivity into a **clear, organized, and deployable system solution**.

The OMS showcases how the following elements work together as an integrated system:



Discover How Corning Makes CPO Deployable with System-Level Expertise



Learn more about CPO



Learn more about Specialty Fiber
for CPO Applications



Learn more about FAUs

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