



CORNING

CORNING OVERVIEW

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Corning Incorporated
is a leading innovator
in materials science.

For 170 years,
Corning has applied
unparalleled expertise
to transform industries
and enhance lives.

A TRACK RECORD OF INNOVATION

1877

Railroad
Signal
Lenses



1879

Glass Bulb
for Edison's
Electric Light



1908

Colored
Railroad
Lenses



1915

Heat-Resistant
PYREX® Glass



1934

High-Purity
Fused Silica

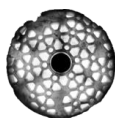


Silicones



1935

Hale
Telescope
Mirror



1939

Television
Picture Tube



1952

Glass-Ceramics



1961

Spacecraft
Window
Glass



1964

Fusion
Overflow
Process



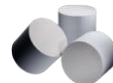
1970

Low-Loss
Optical
Fiber



1972

Ceramic
Substrates
for Catalytic
Converters



1982

Liquid Crystal
Display Glass



2000

Low-Density
LCD Glass



2004

Optical
Connectors
for FTTH



2007

High
Throughput
Cell Culture
Solutions



Tough, Thin
Cover Glass
for Mobile
Devices



Ultra-Bendable
Optical Fiber



2012

Ultra-Slim
Flexible
Glass

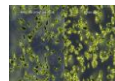


2013

All-Optical
Converged
Cellular &
Wi-Fi Solution



Antimicrobial
Glass



2015

Light, Tough
Automotive
Glass



High-Transmission
Light-Guide Plate
for LCD Displays



2016

Advanced
Glass for
Wearables



Gasoline
Particulate
Filters



2017

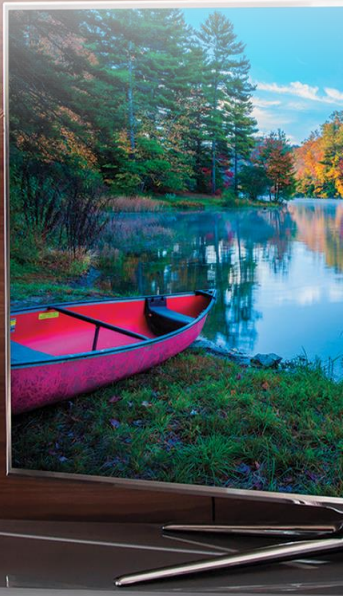
Damage-Resistant
Pharmaceutical
Glass Packaging



**MOBILE CONSUMER
ELECTRONICS**



DISPLAY



AUTOMOTIVE



LIFE SCIENCES



**OPTICAL
COMMUNICATIONS**



OPTICAL COMMUNICATIONS

CORNING'S LARGEST SEGMENT



CARRIER NETWORKS



DATA CENTERS



ENTERPRISE NETWORKS

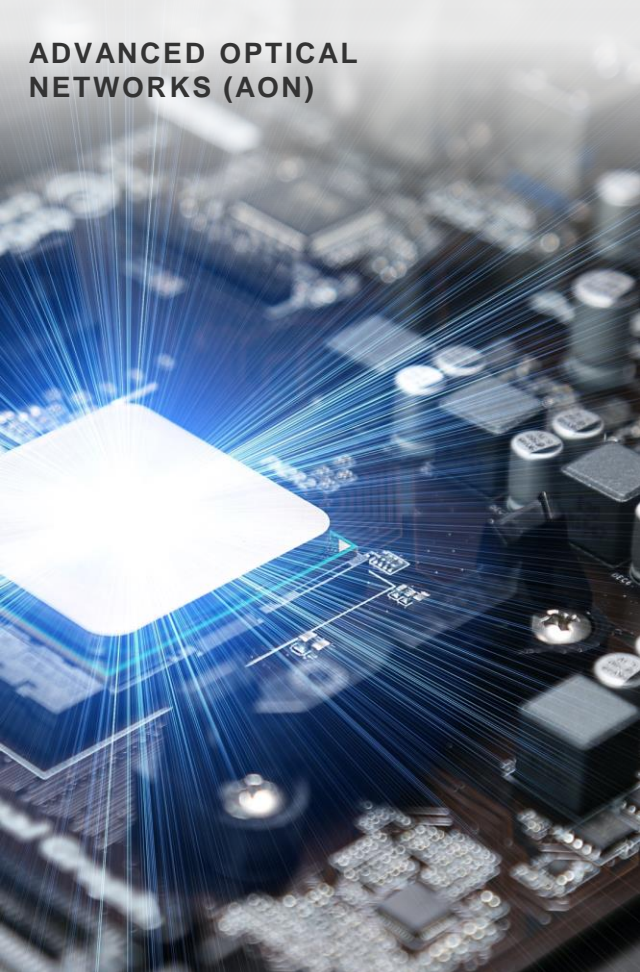


**ORIGINAL EQUIPMENT
MANUFACTURERS (OEMs)**



WHO WE SERVE

ADVANCED OPTICAL NETWORKS (AON)



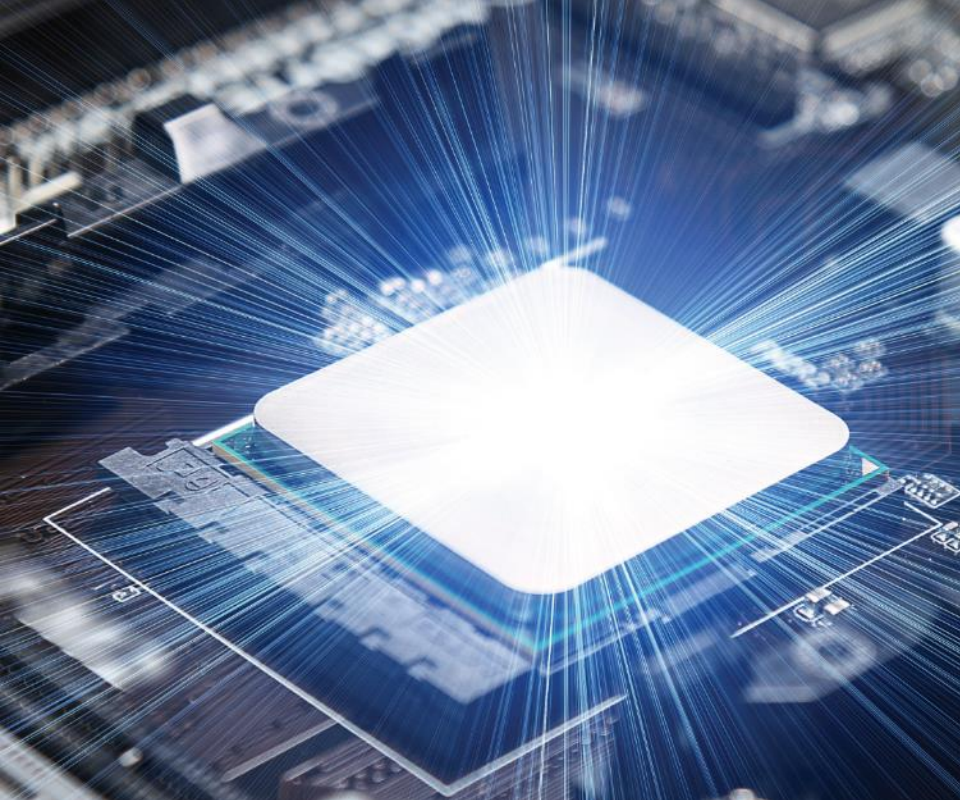
INDUSTRIAL OPTICAL NETWORKS (ION)



TRADITIONAL TELECOM CONNECTIVITY (TTC)



ORIGINAL EQUIPMENT MANUFACTURERS (OEMs)



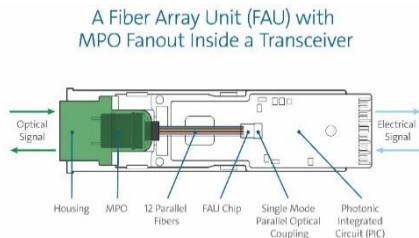
Enabling OEM differentiation

- Enabling differentiation through innovation in fibers, glass and optical connectivity
- Investing in fiber-to-chip connectivity for next generation transport, datacenter switching and high-performance computing
- Leveraging COC Technology and Corning Research to solve increasingly dense optical I/O connections
- Collaborating with leading OEMs early in their design cycles
- Globally established operations

Evolution of fiber-to-chip connectivity

Pluggable optics

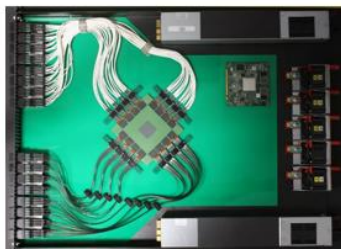
100 → 800/1600G TRX



- Well established, plug & play
- Continuing to evolve (SiP, LPO)
- I/O challenge @ higher rates

CPO - discrete fibers

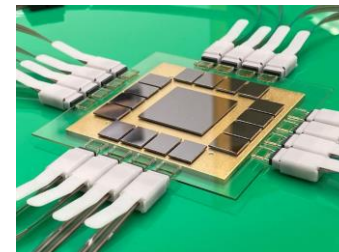
≥ 1.6 Tb/s TRX



- Increased density & complexity
- Integrated connectivity solution
- Assembly complexity

CPO - integrated substrate

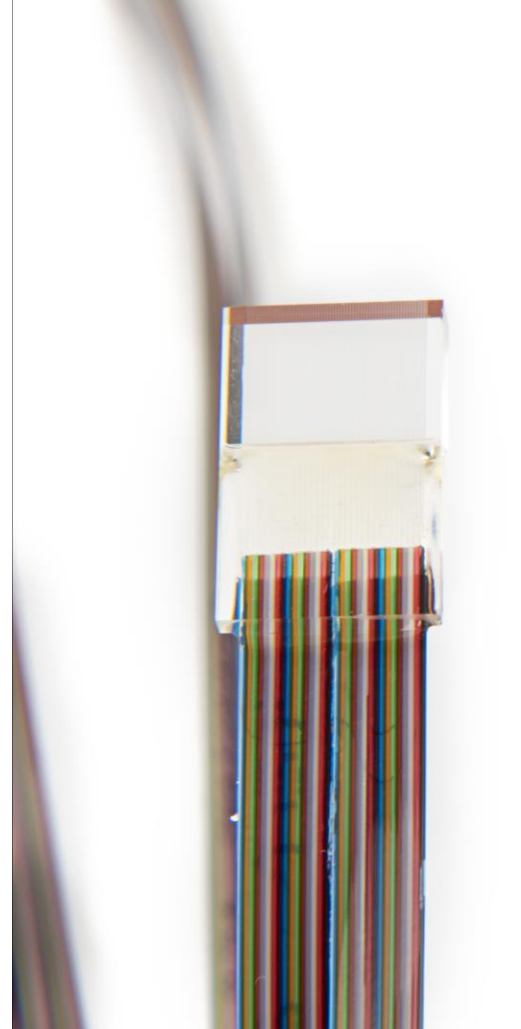
≥ 204.8 Tb/s Switching



- Electro-optical glass substrate
- Higher density & performance
- Simplified assembly

Fiber Array Assemblies

- High performance and reliable fiber-to-chip coupling for:
 - Transceivers
 - Wavelength selective switches
 - Co-packaged optics
 - High performance computing
- Wide range of channel count, fiber types, core pitch, terminations
- Highly customizable on alignment, glass angle & cable assemblies
- Supporting edge and surface coupling as well as 1D & 2D configs
- Innovating towards improved density, footprint & tolerances



A photograph of a modern glass skyscraper at sunset. The sun is low on the horizon, creating a warm glow and long shadows. The building's glass facade reflects the sky and the surrounding cityscape. The word "CORNING" is overlaid in a large, white, serif font across the center of the image. The foreground shows a wet, reflective surface, possibly a plaza or rooftop, with a grid pattern. The overall color palette is dominated by blues and greys, with a warm orange glow from the sun.

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