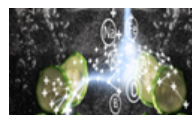


Applied Optoelectronics Inc. (AOI) is a leading provider of advanced optical and HFC networking products that power the internet, enabling the future of connectivity across data center, cable broadband, FTTH, telecom, wireless, and sensing markets.

Notable Facts



Our origins stem from The University of Houston, and NASA's Johnson Space Center, testing and proving the durability of extremely high-purity semiconductor materials in space. 58 leaders at AOI hold PhDs, with more than half of those received from The University of Houston.



We grow our own semiconductors – literally. With both MBE (Molecular Beam Epitaxy) and MOCVD (Metal-Organic Chemical Vapor Deposition) under one roof, AOI controls every atom of our lasers from start to finish.



AOI is expanding operations in Texas, with the addition of a new manufacturing line at our headquarters in Sugar Land, we're scaling 800G transceiver production aggressively and expect to reach over 100,000 units per month in production capacity by year-end, with 40% manufactured in the U.S.



With plans for new building space to be completed in 2026, AOI will have the largest production capacity for AI-focused data center transceivers in the U.S.



AOI is TL 9000:2016 & ISO 9001:2015 certified – the telecom industry's gold standard for quality and reliability – ensuring every product meets the toughest global benchmarks.



AOI has 340 total patents Issued, with 192 apps pending across industries including data center, CATV, FTTH and telecom.

Key Stats



Founded
1997



Founder, President, CEO, & Chairman
Dr. Thompson Lin



Employees
4,117 in 3 countries (400+ in Texas)



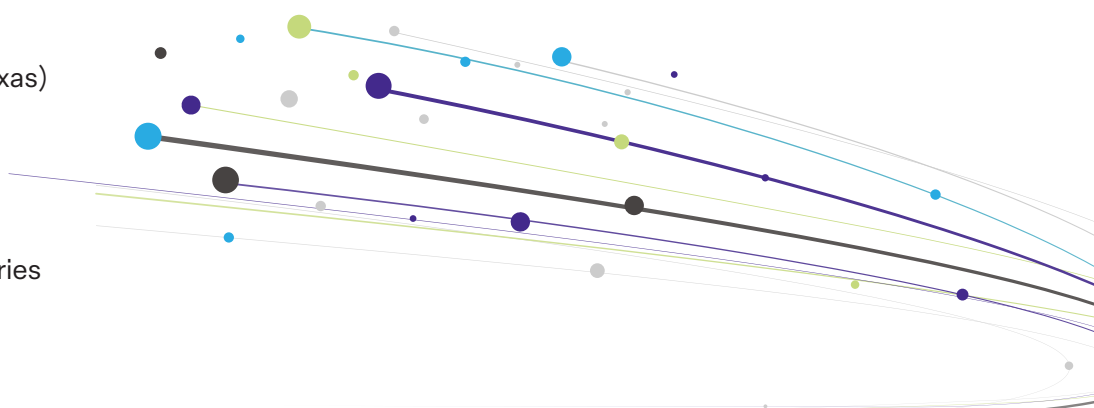
Market Cap
\$1.25B



Global Reach
314 end customers in 38 countries



Manufacturing Capacity
1.2M+ semiconductor chips per month
270K+ optical transceivers per month
75K+ amplifiers per month



AOI Operates



Corporate HQ & manufacturing in Sugar Land, Texas (with on-site wafer fab and cleanroom)



R&D facilities in Atlanta, Georgia



Engineering & manufacturing in Taipei, Taiwan, and Ningbo, China

Industry Impact

AOI innovations enable faster, more reliable, and more efficient connectivity for critical sectors including:



Data Center - High-performance semiconductor and laser tech for AI, cloud computing, and hyperscale data handling



Cable Broadband - Quantum Bandwidth™ portfolio for DOCSIS 4.0®-ready HFC networks, paired with QuantumLink™ software for AI-driven remote management



FTTH - Fiber-to-the-home solutions delivering high-speed broadband



Telecom - Advanced lasers, optical components, and transceivers setting new performance standards



Wireless - Optical solutions for next-gen wireless backhaul



Sensing - Optical components for industrial, automotive, and environmental sensing

Products Powering the Future of Connectivity



Semiconductor & Optical Components

Diode lasers, photodiodes, TO/TOSA/ROSA components for diverse optical uses



Optical Transceivers

SFP, Tunable SFP, QSFP, QSFP-DD, OSFP - engineered for high-speed, robust network applications



Optical Modules & Systems

Turn-key equipment and subsystems for data centers, cable, FTTH, and telecom providers



HFC Networking (Quantum Bandwidth™)

Signal generators, BDA modules, amplifiers (extenders and system), line extenders (1.8 GHz DOCSIS 4.0)

Recent News



AOI Reports Second Quarter Results



AOI to Present at Rosenblatt 5th Annual Technology Summit- The Age of AI



AOI Quantum Bandwidth Networking Products Certified for Deployment by Charter Communications



AOI Announces First Volume Shipment of Data Center Transceivers to Major Hyperscale Customer

For More
Information

