

The Quantum18™ portfolio from AOI includes amplifiers designed for the specific requirements of the CATV network. These products are designed to emphasize performance, compatibility, quality, and advanced control.

QUANTUM18™ HGD AND HGBT 1.8GHZ SYSTEM AMPLIFIERS

These amplifiers are designed to improve the strength and quality of the signals in CATV networks. They meet the SCTE 279 2022 standards with advanced gain block technology. The amplifiers are compatible with existing back housings and have field accessible filters for quick frequency split upgrades. These System Amplifiers have advanced electronics built onboard for both local and remote monitoring and control.

Quantum18™
HGD 1.8GHz System Amplifier



Quantum18™
HGBT 1.8GHz System Amplifier



QUANTUM18™ LE 1.8GHZ LINE EXTENDER

The Quantum18 LE 1.8GHz Line Extender continues to provide feature improvements to replace legacy line amplifiers, while improving the strength and quality of the signals in CATV networks. The amplifiers are compatible with existing back housings and have field accessible filters for quick frequency split upgrades. These System Amplifiers have advanced electronics built onboard for both local and remote monitoring and control.

QUANTUM18™ BA 1.8GHZ BOOSTER AMPLIFIER

The Quantum18 BA 1.8GHz Booster Amplifier boosts signals between amplifiers, for areas with longer amplifier spacings. It's designed to fit various locations, from strands and pedestals to cabinets. Meeting the SCTE 279 2022 standards, it also features the same upgradable diplex filters as used in the Quantum18 Line Extender and System Amplifiers. This amplifier design operates with low power consumption to minimize the impact to network powering.

Quantum18™
LE 1.8GHz Booster Amplifier



About Quantum Bandwidth

AOI's Quantum Bandwidth products provide cost-effective, high-speed data connectivity. With a team of experienced CATV engineers based in Atlanta, GA, and Sugar Land, TX, AOI designs cutting-edge products to meet the demands of reliable high-speed bandwidth delivery. AOI's decades of experience in CATV equipment and in-house manufacturing provide end-to-end control of Quantum Bandwidth product design, quality, and manufacturing.