

HEAVY READING **Insider**

Next-Generation PON: Status & Prospects

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Report Highlights

GPON is highly successful as an access technology for both FTTH and backhaul from fast copper, and will continue to be successful for many years

10G-EPON in symmetric configuration will succeed in existing EPON markets, including for business access services from North American cable companies, as well as in Japan, South Korea and China

The XG-PON1 standard's asymmetry limits its use for non-residential applications, and NG-PON2 will likely supersede it within the next two years, as it reaches volume deployment

Active Ethernet is a continuing strong competitor to PON; WDM-PON and NG-PON2 need a significant fall in the cost of tunable laser optical components

Mobile fronthaul and back-haul applications will be a technology battleground over the next five years

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