Abstract

Passive Optical Networks (PONs) represent one of the most attractive access network solutions. As the demand for higher bandwidth per user is increasing and accelerating, there is an inevitable need for an evolution from the currently deployed passive optical networks (PONs) to next-generation optical access networks. Apart from meeting the bandwidth requirement, the Next Generation Access Networks must overcome the limitations of existing gigabit-class PONs i. e. low capacity, limited reach, and restricted mobility. Different architectures included in this
paper for realizing the NG-OAN are based on different standards introduced by IEEE and ITU-T. A brief summary of future scope has also been included.

References


Index Terms

Computer Science

Information Sciences

Keywords

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Next Generation Optical Access Networks: A Review

Pons  Fttx  Dsl  Aon  Awg