Programmable optical devices for fiber optic communication

This includes everything from high bandwidth cables between countries and cities and data centers (SONET/CWDM) all the way down to Ethernet switches (EPON/Fiber channel) and fiber service to ...

This page introduces high-speed, large-capacity, low-power consumption optical devices ideal for optical fiber communication systems.

A mechanics-optics coupled framework identifies three minimum bending radii governed by interfacial debonding, fiber fracture, and optical attenuation, defining the achievable feature size and ...

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

Fiber optic PLC"s are programmable devices specifically designed for controlling and managing fiber optic networks. They provide flexibility, scalability, and enhanced performance, ...

Researchers at Colorado State University have developed a non-volatile, programmable optical filter using phase-change materials (PCMs). This device allows for precise control over optical properties ...

We test and develop the modules in our own fiber optic laboratory. Optical inserts manufactured by GBC Photonics are compatible with all network devices of major vendors and comply with current market ...

By leveraging the inherent properties of optical fibers, ICAC could unlock new possibilities for intelligent communication networks. In this paper, we explore the feasibility of achieving ICAC using fiber-optic ...

A user-friendly RFoF software enables adjustment of the RF and Optical parameters, such as link gain, Noise Figure, P1dB, Optical power, LED indication and module information, either locally or remotely.

In addition to speeding devel-opment cycles and lowering costs, pro-grammable photonics adds the ability to move electronic processing into the optical domain as well as to parallelize tasks that right ...

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