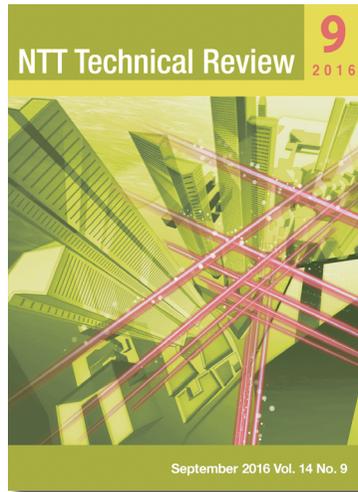


<https://www.ntt-review.jp/archive/2016/201609.html>



Feature Articles

Device Technology Development for Beyond 100G Optical Transport Network

- ▶ Device Technology Development for Beyond 100G Optical Transport Network
- ▶ Digital Signal Processor (DSP) for Beyond 100G Optical Transport
- ▶ Compact Optical Modulator and Coherent Optical Subassemblies for Beyond 100G Transport Network
- ▶ High-sensitivity 4-channel Receiver Module with Avalanche Photodiode for 400-Gbit/s Ethernet
- ▶ High Frequency Optical Module Assembly Technique Enabling High Modulation Speed over 100 Gbit/s/λ

Global Standardization Activities

- ▶ Promotion of Environmental Management According to ITU-T L.1410 in NTT Group

Global Activities of NTT Group

- ▶ Arkadin: Global Unified Communications & Collaboration Champion in a Dynamic Digital Workplace

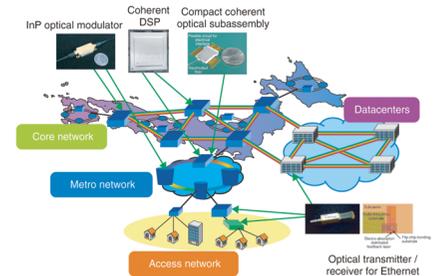
Feature Articles

Device Technology Development for Beyond 100G Optical Transport Network

Device Technology Development for Beyond 100G Optical Transport Network

▼Abstract

The capacity of the optical transport network has been expanding for over 30 years, which has enriched the communication environment of users. This expansion has also helped to reduce the cost of communication lines and facilitate the growth of the Internet and the widespread use of smartphones. In the near future, an optical transport network with a capacity beyond 100 Gbit/s per wavelength (beyond 100G optical transport network) and its device technology will be needed in order to provide more sophisticated communication services such as IoT (Internet of Things) and 5G (fifth-generation) mobile access. This article reviews NTT laboratories' development of device technology for the beyond 100G optical transport network.



Global Standardization Activities

Promotion of Environmental Management According to ITU-T L.1410 in NTT Group

▼Abstract

The NTT Group is moving forward with environmental management practices conforming to ITU-T (International Telecommunication Union - Telecommunication Standardization Sector) Recommendation L.1410. Here, we describe the promotion of energy-saving technology for datacenters, the evaluation of environmental contributions of products and services developed by NTT laboratories, and the environmental solution label.



Global Activities of NTT Group

Arkadin: Global Unified Communications & Collaboration Champion in a Dynamic Digital Workplace

▼Abstract

Arkadin is one of the largest and fastest growing communications and collaboration service providers in the world. With a vision rooted in the belief that progress emerges from people's desire to share, Arkadin offers a complete range of integrated audio, web, video, and unified communications solutions. This article introduces the company's operations, strategies, and potential future as an NTT Communications Group company.

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