

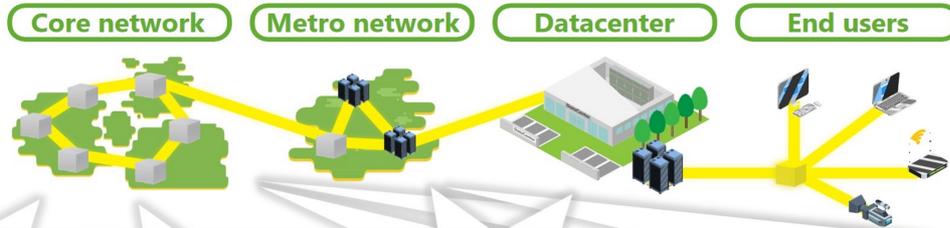
Background

NTT is developing several advanced devices for high-speed large-capacity optical paths for IOWN 2.0 or later. Advanced electronics and photonics integration enables cost effective APNs to support various user experiences.

Summary

At NTT, we are developing advanced devices to achieve the APN (All-Photonics Network) even after the spin off the functions related to the photonics-electronics convergence devices. In this exhibit, we will exhibit various devices.

Photonic and Electronic Device Technology for the APN ~ Key devices for large-capacity optical paths in the IOWN ~



<p>I ncreasing optical path</p> <p>Multi-core Fiber (AS Lab./NI Lab.)</p>	<p>C onvert signal wavelength</p> <p>Wavelength band Conversion (DT Lab.)</p>	<p>U ltra high-speed</p> <p>1Tbps-class devices (NI Lab./DIC/DT Lab.)</p>	<p>O ptically colorless</p> <p>Ultra-wideband waveguide switch(DIC)</p>
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Features

- Ultra large-capacity and high-speed transmission using advanced device technologies
- Functional improvement of optical switch such as operating ultra-wide wavelength bands
- Wavelength band conversion for large-capacity optical path handling

Future_benefits

These devices realize the ultra-large-capacity, ultra-low-latency and ultra-low-power APN and supports a variety of IOWN services.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

Contact

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