

# Photonic Exchange

- Optical Node to Achieve Ultra-High Capacity and High Flexibility -



## Our Goal: Achieving on-demand and end-to-end lambda connection

- Increasing lambda resources by multi-band optical transmission
- Connecting single-band (C-band) optical networks and multi-band (C+L-band) optical networks by wavelength conversion

## Our Approach: Photonic Exchange as an APN-I

- Extension on multi-band transmission for improving transmission distance
- All-optical inter-band wavelength conversion (AO-WC) for reducing power consumption

