

# WDM-PON System Technology using PLC-ECL

## Technology Overview

- 1.25Gb/s PLC-ECL type wavelength-variable light source component technology
- 1.25Gb/s low-cost WDM-PON system technology using wavelength-variable PLC-ECL

## System Configuration

- 1.25Gb/s tunable core light source between Central Office (OLT) and subscribers (ONU)
- 1.25Gb/s, 16-channel PLC-ECL based WDM-PON system (OptiBlue, '09)
- 1.25Gb/s, 16-channel PLC-ECL based Hybrid-PON system (OptiBlue, '09)

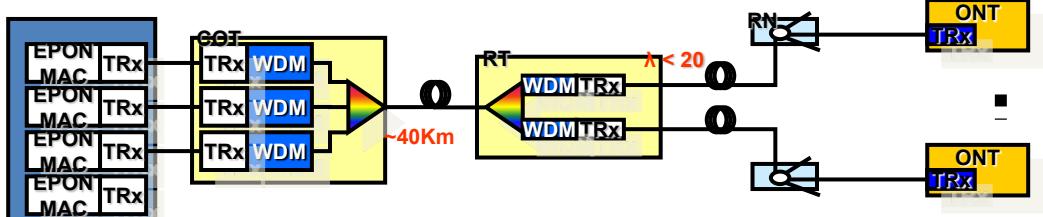


WDM-PON system based on PLC-ECL



E-PON Colorless DWDM Reach Extender

## Application Products/Service



- Distance between COT ~ RT : 36Km
- Additional 4Km Feeder Fiber
- Field Operation : 2009.10 ~
- Site : KT, East Busan (South Korea)