

# Prisma D-PON FTTH Solution

## ■ FTTH for Cable Operators

- Seamless integration and control of HFC and FTTH
- Scales better than GPON or EPON for incremental growth

## ■ Industry- Leading System Performance Second to None

- Supports 1:128 home passed PON over 10+kms
- 1 GHz passband with 48 dB CNR at subscriber location
- And DOCSIS 3.0 upstream data rates of four 64 QAM bonded channels

## ■ Lowest Cost System Solution

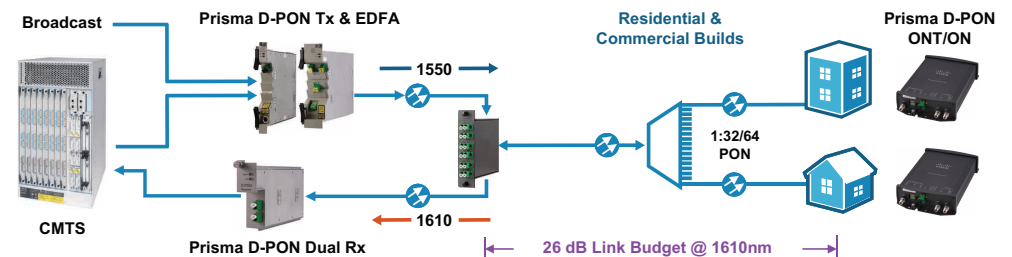
- 1:128 HP PON reduces HE optics cost and RU requirement by 75% versus other standard RFoG solutions

## ■ Future-Flexible Network

- ITU and IEEE comparable OSP architecture
- 1550 / 1610nm wavelength allows for future PON overlay
- Modular HE optics chassis supports virtual node splitting (or service group size reduction) without a truck roll

## ■ No Back Office Change Required

- Leverages existing DOCSIS® and set top control
- No modification of interoffice video transport network
- Service is provisioned like HFC



## Prisma II™ Optics Features

- “Pay as you grow” philosophy
- Single chassis houses all forward and reverse optics
- NEBS compliant chassis
- Market leader: over 15 million ports deployed for PON applications globally



## Prisma D-PON ONT Features

- Supports eight DOCSIS devices without need for external house amp
- Anti-babble and excessive RF protection
- Three powering options