

A Wide Lineup, Flexible Configurations.
We deliver access line solutions tailored precisely to your needs.



Transponder Card & Media Converter



**PlusRepeater
ACCESS 100G**

100G Transponder
PlusRepeater Access
100G

Features

- 100GbE with QSFP28-SR4/LR4/ER4/ZR4
- BERT test function
- DMI function for QSFP28 module
- 100G QSFP28 Bidi Transceiver (LR1 / ER1)
- 100G QSFP28 DCO Transceiver



NEW

**10G Card with
in-band monitoring**
PlusRepeater Access
XG2 Advance

Features

- Supports in-band monitoring: EtherOAM functionality can configure receiving-side devices. Centralized control can be established at the center. And main functionality as follows are supported
- up to 10GBase-T • BERT test function • wavelength-tunable SFP
- Link transfer (LLF) function and transparent link (TLLF) transfer function



**Multi-Rate
Transponder**
PlusRepeater Access
XG2

Features

- Multi-rate supports 1Gbps ~ 14Gbps
- Protocol Transparent 3R fiber Media Transponder / Repeater
- Dual channel transmission
- C-band tunable DWDM SFP+ Transceiver
- DMI function for SFP+ module



GbE Media Converter
PlusRepeater Access
2000

Features

- 2x 10/100/1000Base-T and 2x 100 / 1000Base-X SFP
- RMON counter
- Dying gasp
- DMI function for SFP module
- Local / Remote IEEE 802.3ah OAM / IP management

Optical Amplifier & WDM Filter Card



**Optical
Amplifier**
PlusRepeater
Access EDFA-B/P

Features

- Booster type / Pre-Amplifier type
- Automatic Gain Control (AGC)
- Input/Output Power Monitoring
- Up to 21 dBm output power (Booster)
- Up to 17 dBm output power (Pre-amplifier)
- With Gain flatness filters (GFF)
- LC/UPC connector



**CWDM Mux /
Demux**
PlusRepeater
Access CWDM

Features

- Low Optical Insertion Loss
- 8ch CWDM: CWDM (1471/1491/ 1511/1531/1551/1571/1591/1611nm)
- 16ch CWDM: CWDM (1271/1291/ 1311/1331/1351/ 1371/1431/1451/ 1471/1491/1511/1531/1551/1571/ 1591/1611nm)
- Standard LC connectors

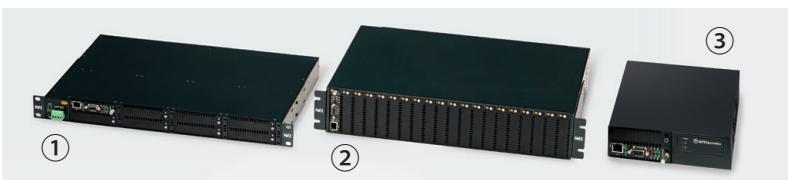


**DWDM Mux /
Demux**
PlusRepeater
Access DWDM

Features

- Low Optical Insertion Loss
- 4ch DWDM:
DWDM (CH29/CH31/CH33/CH35 and CH53/CH55/CH57/CH59)
- Standard LC connectors

PlusRepeater Access Chassis



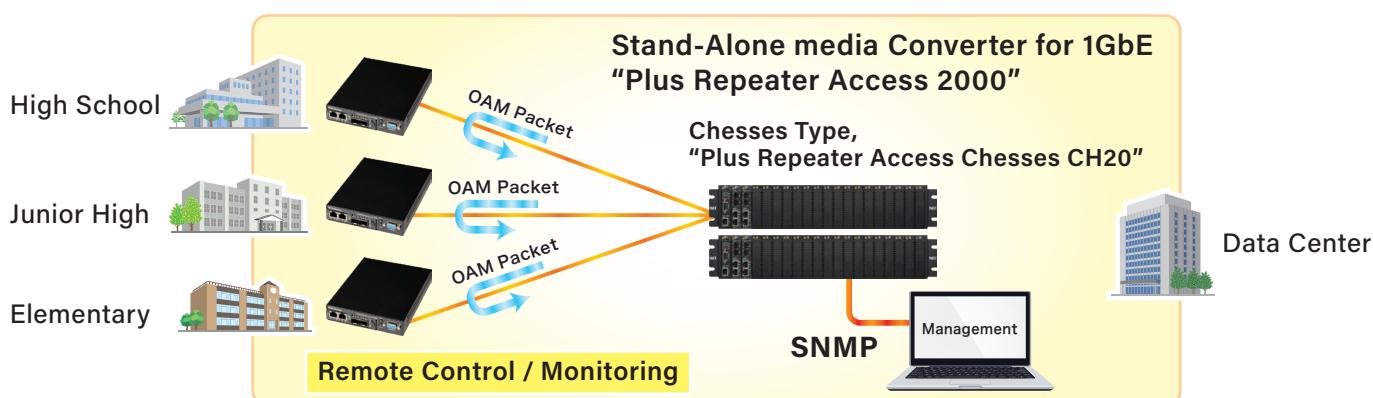
- ① PlusRepeater Access CH08 Chassis(1U 8-slot)
- ② PlusRepeater Access CH20 Chassis(2U 20-slot)
- ③ PlusRepeater Access CH02 Chassis(BOX Type)

Application

► NREN (National Research and Education Network)

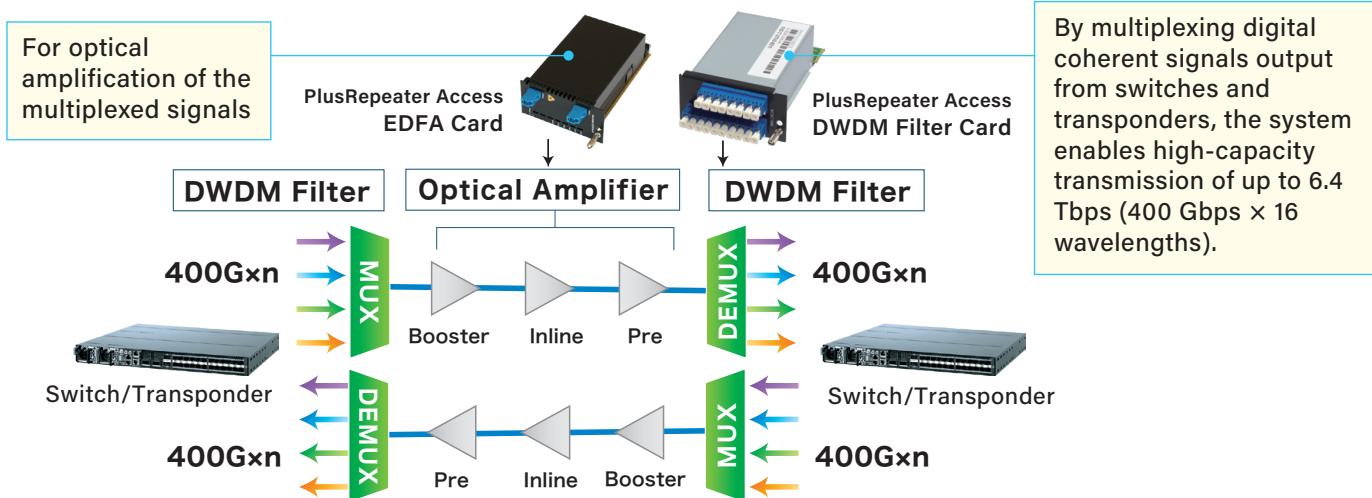


► Government NW Project



► Application of Optical Open Line System (OOLS) to Wavelength Multiplexing and Optical Amplification

OOLS is a concept that enables interoperability between equipment from different vendors by functionally disaggregating WDM systems.



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