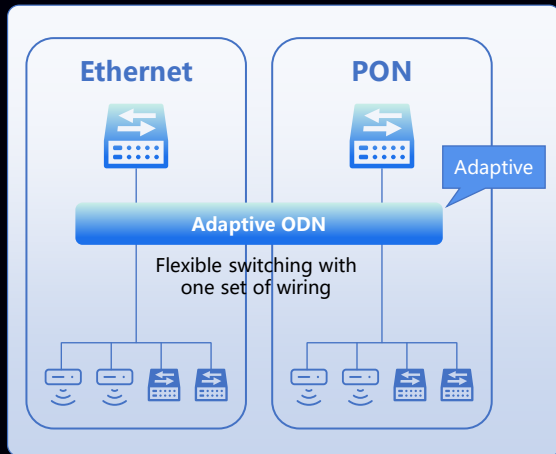# H3C
Adaptive Optical Network Solution

Innovative Adaptive Optical Network Solution
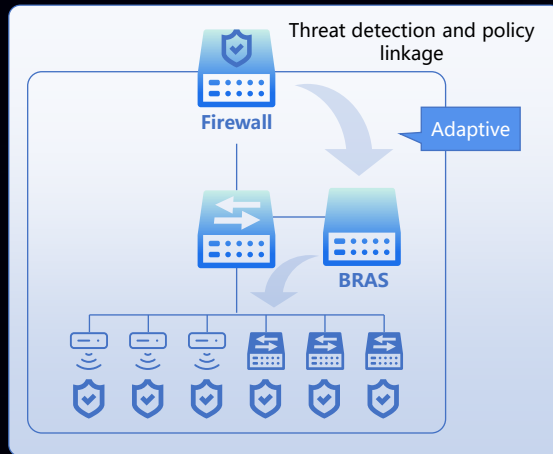
Adaptive Deployment

Ethernet

PON

Adaptive

Adaptive ODN

Flexible switching with one set of wiring

One network integration and flexible adaptation

Adaptive passive architecture, save **75%** deployment cost

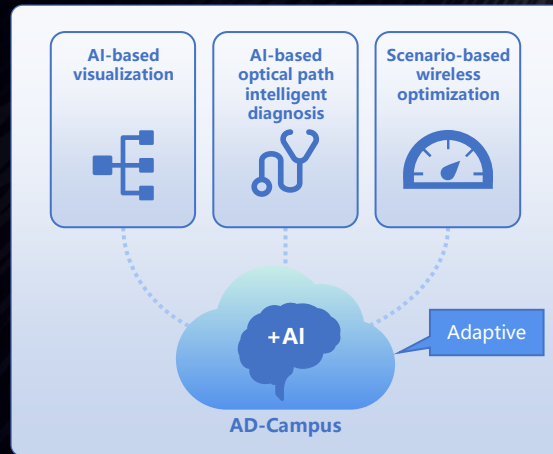Adaptive bandwidth, accurate requirement without waste

Adaptive Authentication

Threat detection and policy linkage

Firewall

Adaptive

BRAS

Adaptive Authentication, precise guarantee

Network security integration, no blind spots in security
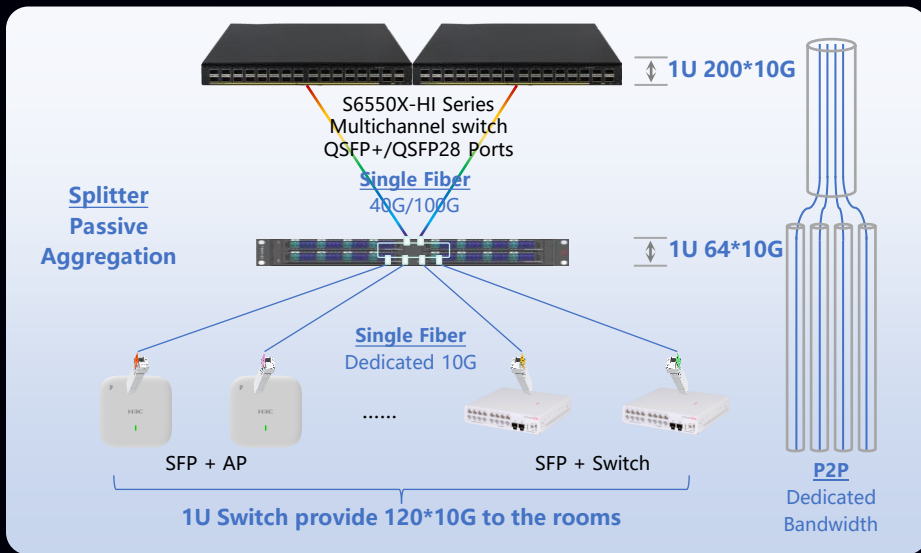
Business integration, more accurate protection

Adaptive Management

AI-based visualization

AI-based optical path intelligent diagnosis

Scenario-based wireless optimization

+AI

Adaptive

AD-Campus

AI-embedded O&M improves both efficiency and experience

Adaptive management, more worry-free start

AI visualization, AI troubleshooting, AI optimization, improve

operation and maintenance efficiency by more than **60%**

Multichannel Technology: 10GE to everywhere

1U 200*10G

S6550X-HI Series
Multichannel switch
QSFP+/QSFP28 Ports

Single Fiber
40G/100G

Splitter
Passive
Aggregation

1U 64*10G

Single Fiber
Dedicated 10G

SFP + AP

SFP + Switch

P2P
Dedicated
Bandwidth

1U Switch provide 120*10G to the rooms

Ultra High Density
1U Switch provide 200*10G to the rooms
10G/25G Smooth bandwidth evolution

100%
Highest density

Single Fiber
Full-link single-fiber deployment
Uplink supports dual uplink, high reliability

50%
Save 50%
construction costs

Passive
Same splitter as the PON
Uniform passive architecture, exclusive/shared switching on demand
Standard protocol, not bound

10 Years
Smooth Evolution

Core Bidi QSFP
Multi channel
Standard QSFP transceiver
Good compatibility

Adaptive Splitter
Unified passive architecture
for PON and multichannel network
Type B/Type C protection

Access Bidi SFP+
Single channel
2.5G/10G to everywhere
Support blind insertion

Efficient Healthcare
| DR/CT/MR pictures |
| Outpatient Department |

Synergy Working
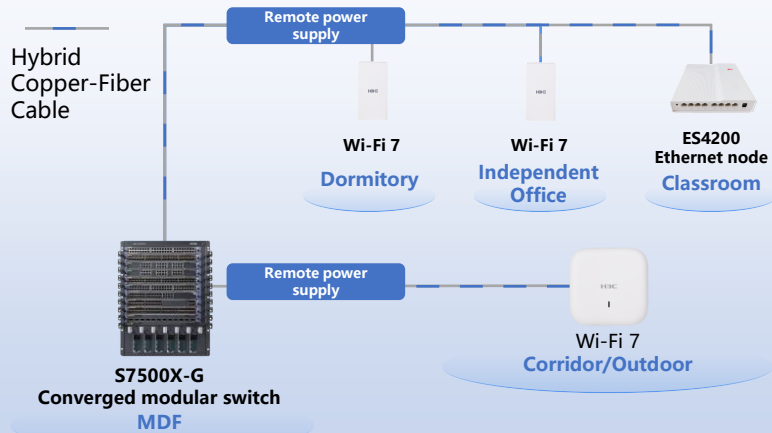| 8K video conference |
| Various devices |

Innovative Education
| VR/AR teaching |
| Cloud Terminals |

H3C

Fiber-copper Technology: Power to Everywhere

Hybrid Copper-Fiber Cable

Remote power supply

Wi-Fi 7
Dormitory

Wi-Fi 7
Independent Office

ES4200 Ethernet node
Classroom

Remote power supply

Wi-Fi 7
Corridor/Outdoor

S7500X-G Converged modular switch
MDF

Ultra-long distance
Provide long distance PoE via Hybrid fiber-copper cable

10 Times
1000M PoE

Long Lifecyle
Fiber provide unlimited bandwidth upgrade compare with RJ45

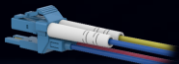**30 years**
One-time cabling Seamless upgrades

Central Management
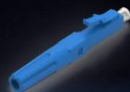Flexible deployment, central power supply management

Safer
Low voltage DC

First combined connector in the industry
Simplified Deployment

Hybrid copper-fiber cable
Seamless bandwidth upgrade
Long distance Power Supply
Power over Fiber

Fast fusion
Reduce construction difficulty
Saving deploy time

Efficient Healthcare
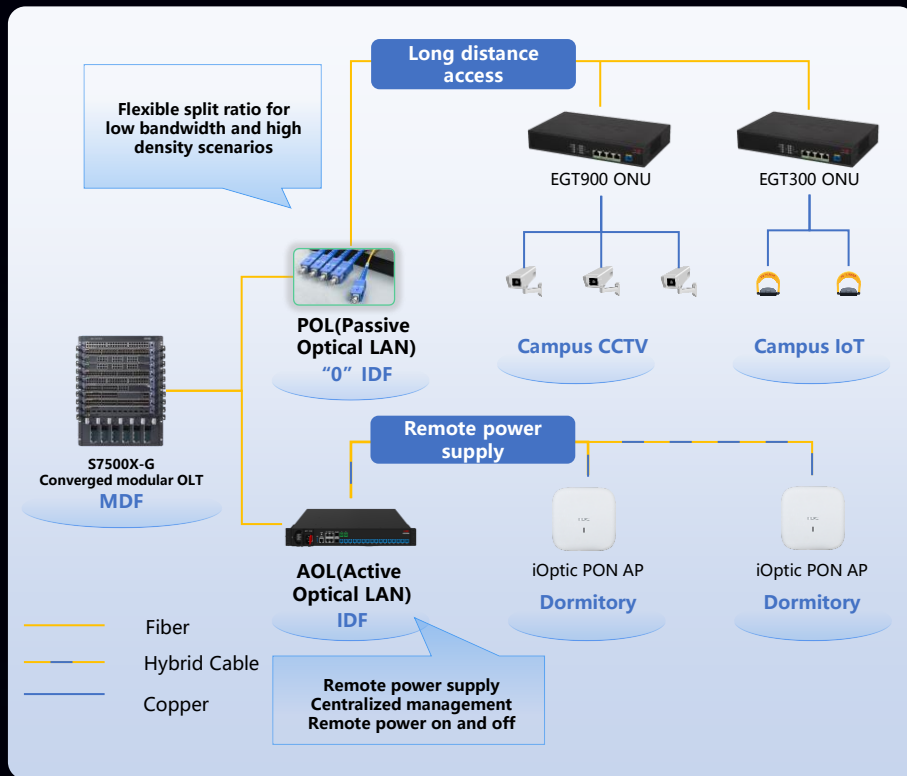
Central Power Management

Fiber to the desk

Innovative Education

Central Power Management

Fiber to the room

Converged Active and Passive Optical Network

Flexible split ratio for low bandwidth and high density scenarios

Long distance access

EGT900 ONU

EGT300 ONU

POL(Passive Optical LAN)
"0" IDF

Campus CCTV

Campus IoT

S7500X-G
Converged modular OLT
MDF

Remote power supply

AOL(Active Optical LAN)
IDF

iOptic PON AP
Dormitory

iOptic PON AP
Dormitory

Remote power supply
Centralized management
Remote power on and off

Fiber

Hybrid Cable

Copper

Large splitting ratio

24 ports XGSPON card, maximum 6K access

≫ **2:256**
For massive access

FTTX

Fiber to everywhere, XGSPON/XEPON on demand

≫ **10 Times**
1G to 10G

Convergence

Ethernet + PON integration
Real 2 layers network
Plug-and-play Switches/ONUs

≫ **85%**
Minimize the number of managed devices

Hospitality

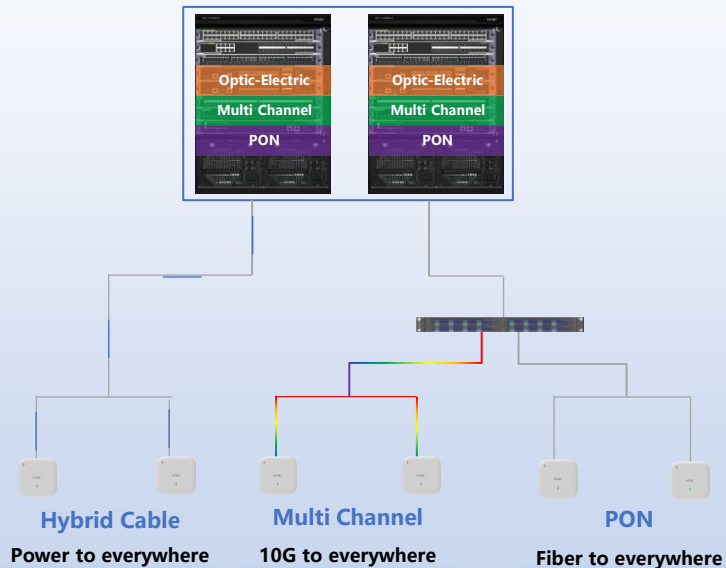Massive CCTV/IOT

FTTR

Innovative Education

Central Power Management

Dormitory

H3C Adaptive Optical Network Product Portfolio

Adaptive Optical Network

Optic-Electric
Multi Channel
PON

Optic-Electric
Multi Channel
PON

Hybrid Cable
Power to everywhere

Multi Channel
10G to everywhere

PON
Fiber to everywhere

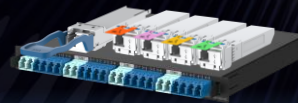**S7500X-G Series**
Adaptive Chassis Switches
Multichannel/PON

S6550X-HI Series
Ultra High Density
Multichannel Switches

FS5500V2-EI Series
Seamless Bandwidth Upgrade
Long distance PoE++

Multi-channel Component
Multi-channel Passive Ethernet
Ultra High Density 10G/25G

S5130S-EI-G-V2 Series
2.5G PoE++ for High
speed access

ES4200 Series
Quiet access
Fiber to the room