

www.accton.com

NTT PR/IR Day

Toward the Future with IOWN

AJ Huang October 6, 2025

Accton

We are

35+ years focus in
network infrastructure
design and
manufacturing

By The Numbers

1988

Company Founded

\$3.4B

Annual Gross Revenue

6500+

Global Employees

300M+

Ports Shipped

52%

Percentage of Whitebox Market

1000+

Technology Patents



VISION

Technology access and
enablement for anyone,
everywhere via open
and transformative
infrastructure



MISSION

Lead global innovation
for the best cost for
quality compute,
network, and storage
solution and services

***“Artificial Intelligence (AI) will
permeate all aspects of life, and
connectivity will be a critical
enabler”***

Our Partnership with Broadcom / NTT for decades – technology/product



1.6T CPO Switch

64 x 1.6T 102.4T TH6 Switch

128 x 800G 102.4T TH6 Switch

1st 800G AI/ML Ethernet Fabric Switch TH5

1G-400G Switch

PHOENIX Coherent Transponder

Cassin –New Open Packet Transponder

NEL
NTT ELECTRONIC

1988 established



*Long term partnership
Promoting open networking ecosystem
And contributing to open community, eg OCP, TIP*

IOWN: Toward a New World

• Ownership to Usership

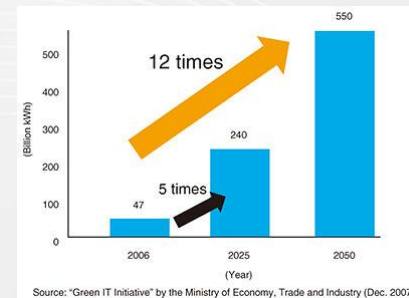
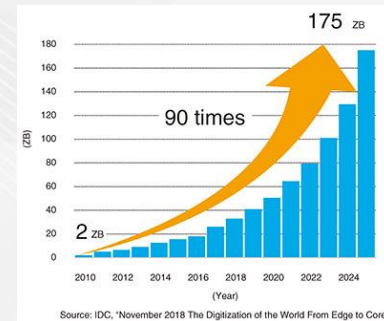
- Increase reach of data and compute across an organization
- Overcome the increasing in power consumption due to datacenters
- Distributing AI resources

• Society Accelerating

- Reduce the gap between urban and rural area
- Equal access to AI resource – easy and fair to all citizens

• Responding to Diversity:

- Not only science and technology, but also humanities and social science



All Photonic Networks (APN) Taiwan Island IOWN Distributed DCI

Distributed GPU DCIaaS

- Provide GPU compute resources
- Low latency with APN
- Utilize local power infra with distributed DCI.



AMD



IOWN APN

Client Side

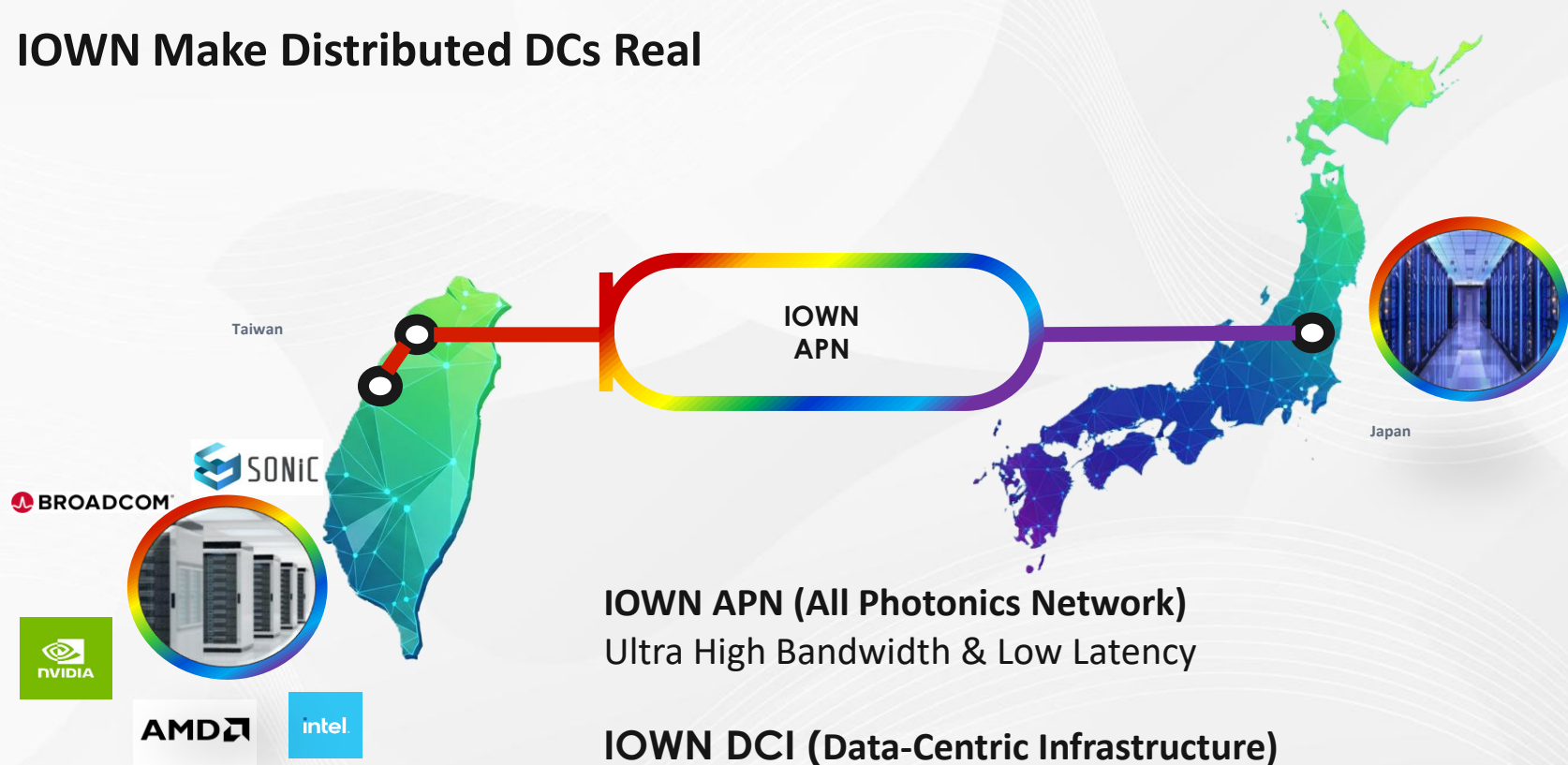
Enterprise / Hospital / Factories

- Remote GPU seamlessly as local with APN's low latency
- Reduce Power infra / CapEx / OpEx for heavy GPU server
- Fast Recovery / Redundancy
- APN-T GW connects to APN network
- Service frontend in the local with RAG



Data Centric Infrastructure (DCI)

IOWN Make Distributed DCs Real

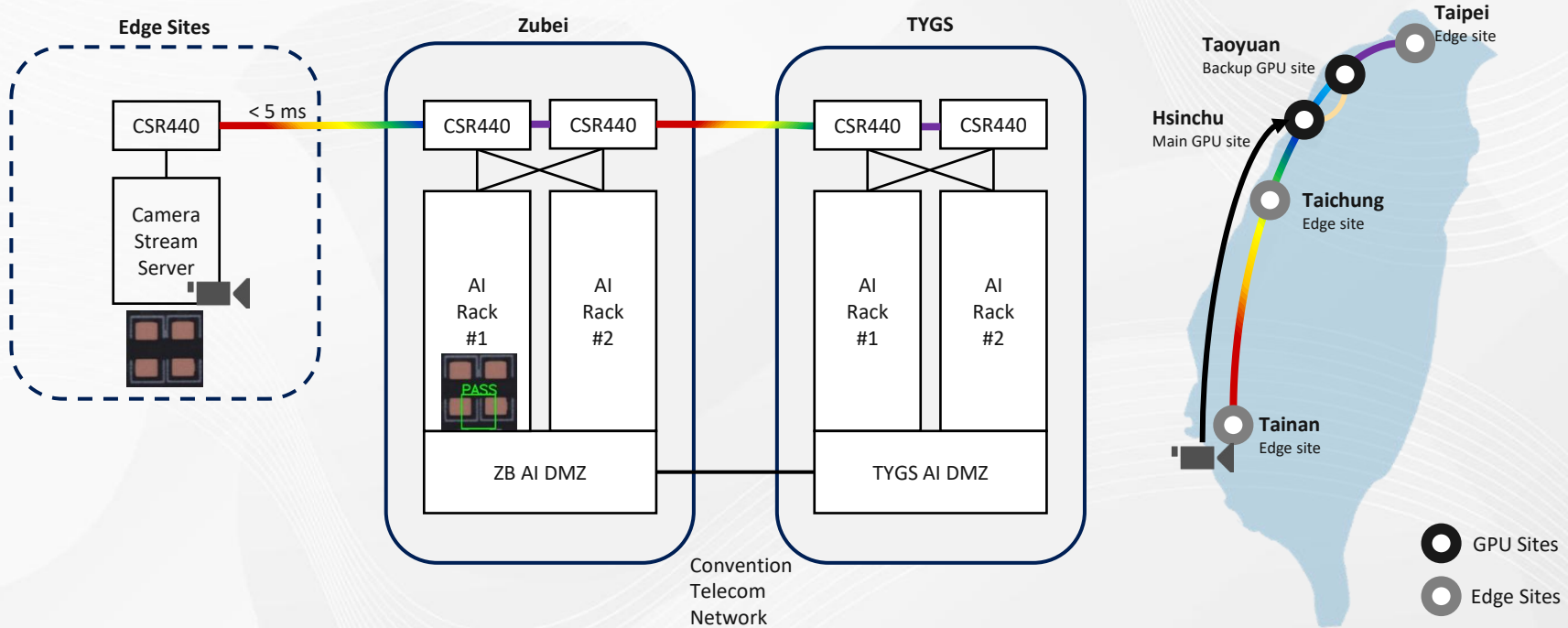


IOWN APN (All Photonics Network)
Ultra High Bandwidth & Low Latency

IOWN DCI (Data-Centric Infrastructure)
Dynamic composable, smarter, and scalable data-driven DC.

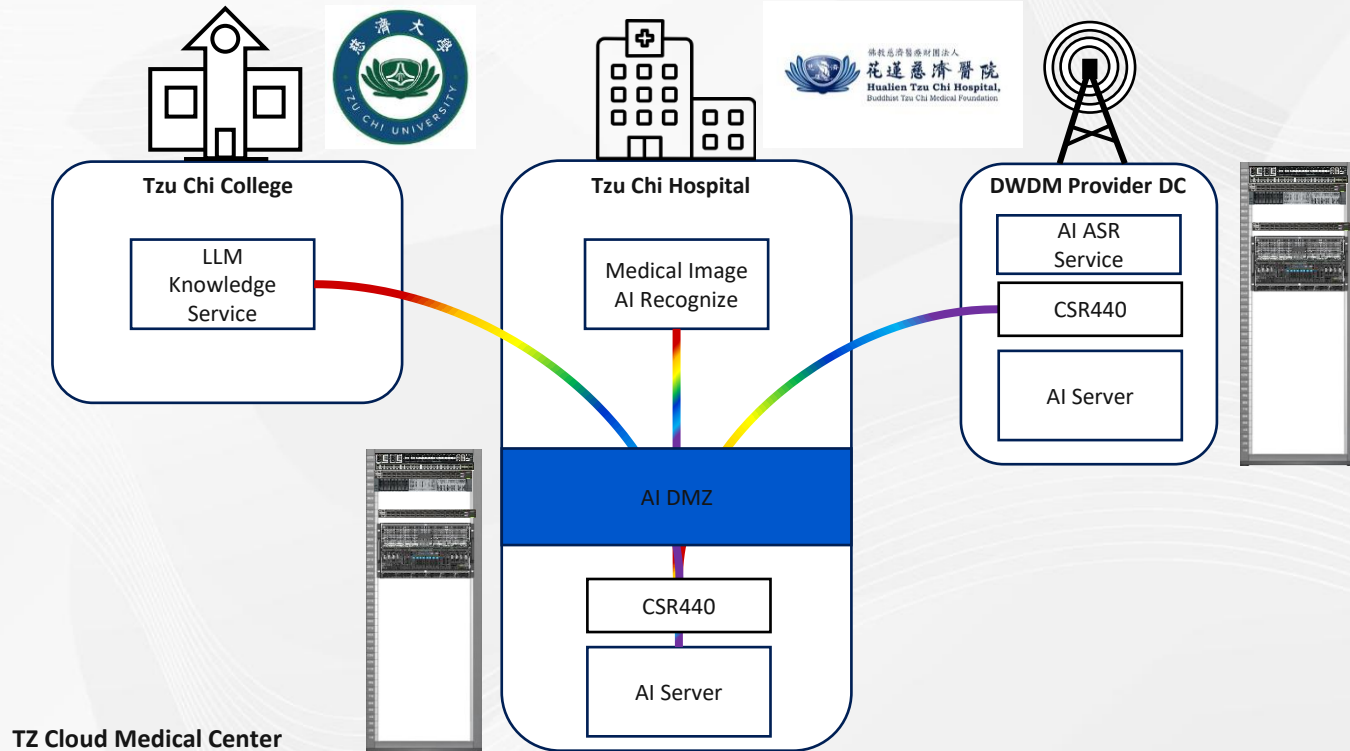
Real Use Cases in Taiwan

Enterprise Use Case – GPU Sharing



Real Use Cases in Taiwan

Hualien Hospital and College Use Case



Real Use Cases in Taiwan

Tainan Shalun Smart City



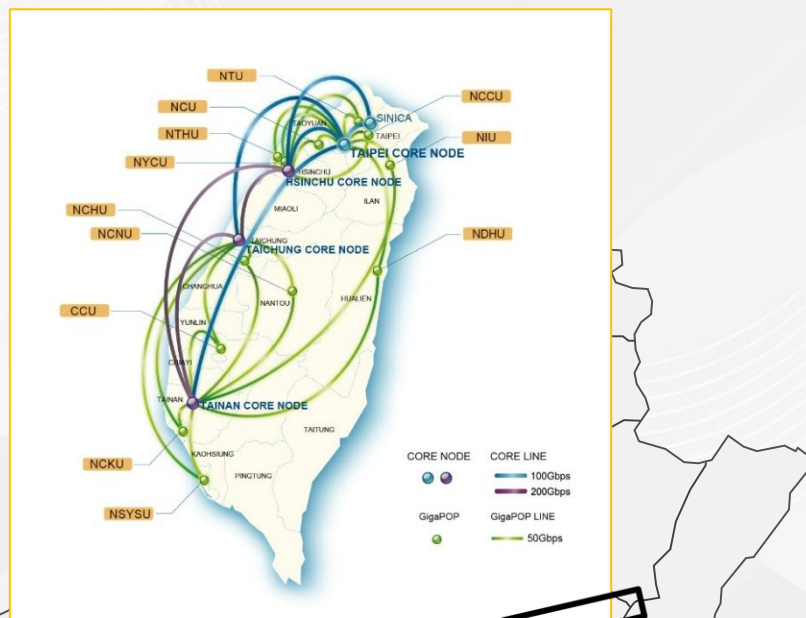
National Cheng
Kung University

NCHC
Taiwan Campus Network

10KM APN

Shalun
Smart City

Shalun field smart pole & cameras
To use remote GPU with IOWN APN



Smart Utility Pole



City
Surveillance



Traffic
Monitoring

APN (All Photonic Networks) for Globe

Big **Data** / AI / IOT application
Power Consumption

A **new way** to shift regional
energy usage

New **Sustainable** Networks



IOWN APN

IOWN – Redefining Data Transport for Data Center Inter-connect From Infrastructure to Intelligence



High Bandwidth Enables Fast Data Transmission



Disaggregate Data Center to Utilize Local Power



RDMA over APN for Efficient DCI Connections



Ultra-Low Latency Boosts Real-Time Applications



Flexible Resources Meet Diverse Service Needs



Energy-Efficient for Lower Operational Costs

Open
Networking

Composable
Compute



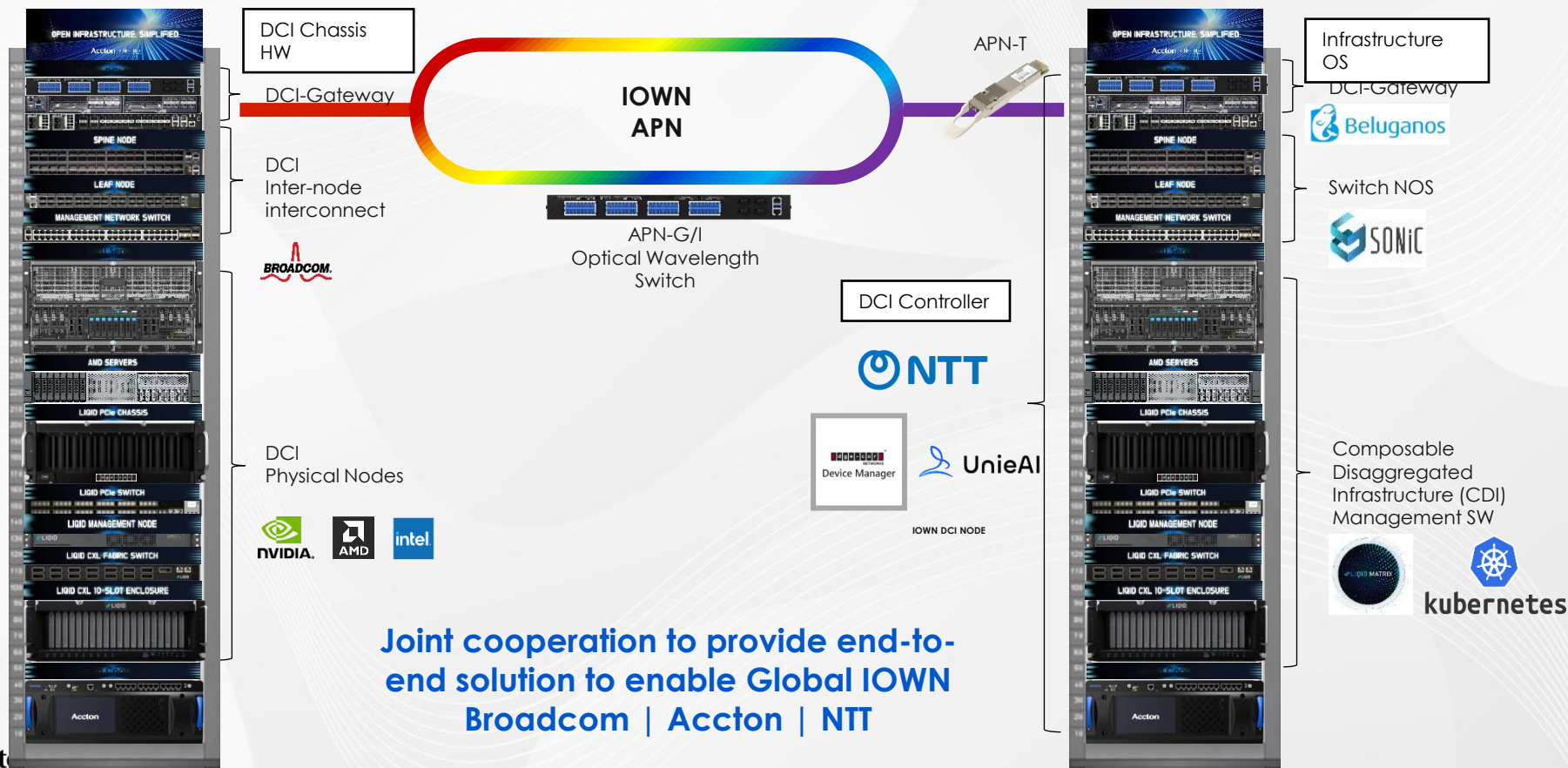
IOWN DCI Chassis
Function Scope

DCI
Inter-Node
Interconnect

DCI-Gateway

DCI
Physical Nodes

Our IOWN DCI Chassis

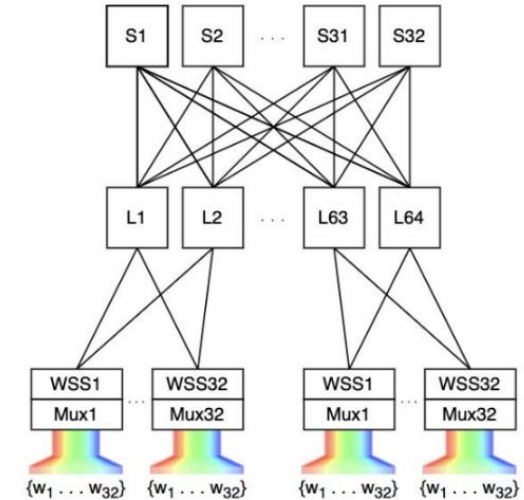


Optical Wavelength Switches – Connecting Multiple DC Clusters

Optical switch on top of AI rack



Accton owns in-house WSS technology, to build multiple 1xN WSS into a single module.



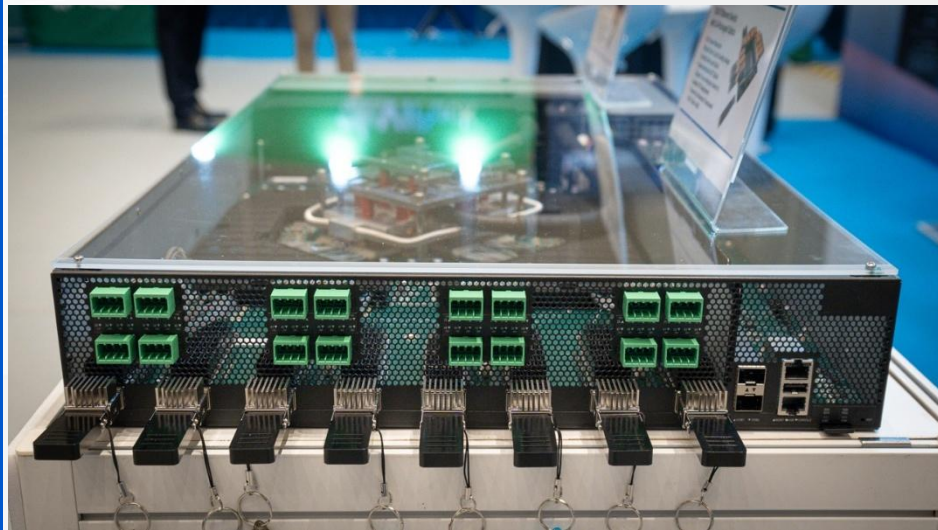
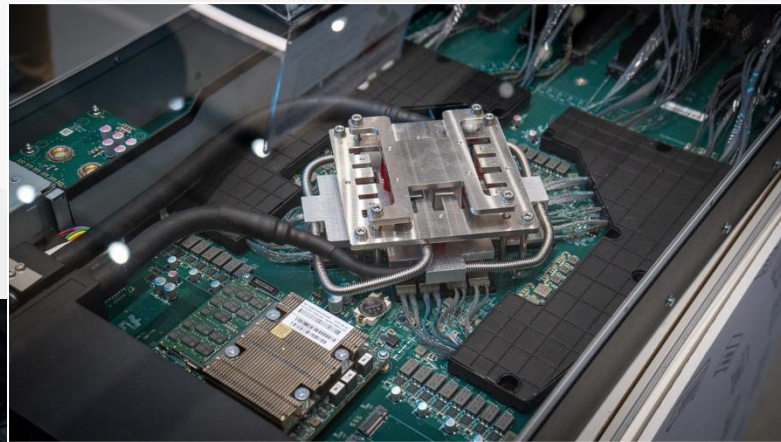
Optical Wavelength Switch



Next Generation CPO switch – Joint Collaboration



Accton



The background of the slide is a photograph. On the left, a modern building with a light-colored, vertically-ribbed facade is visible. It has several windows and a large, stylized logo on its side. The right side of the image shows a clear blue sky with a few birds in flight. In the top right corner, there are some green leaves from a tree, slightly out of focus.

Thank you

Accton