【Efforts of OA Laboratory】
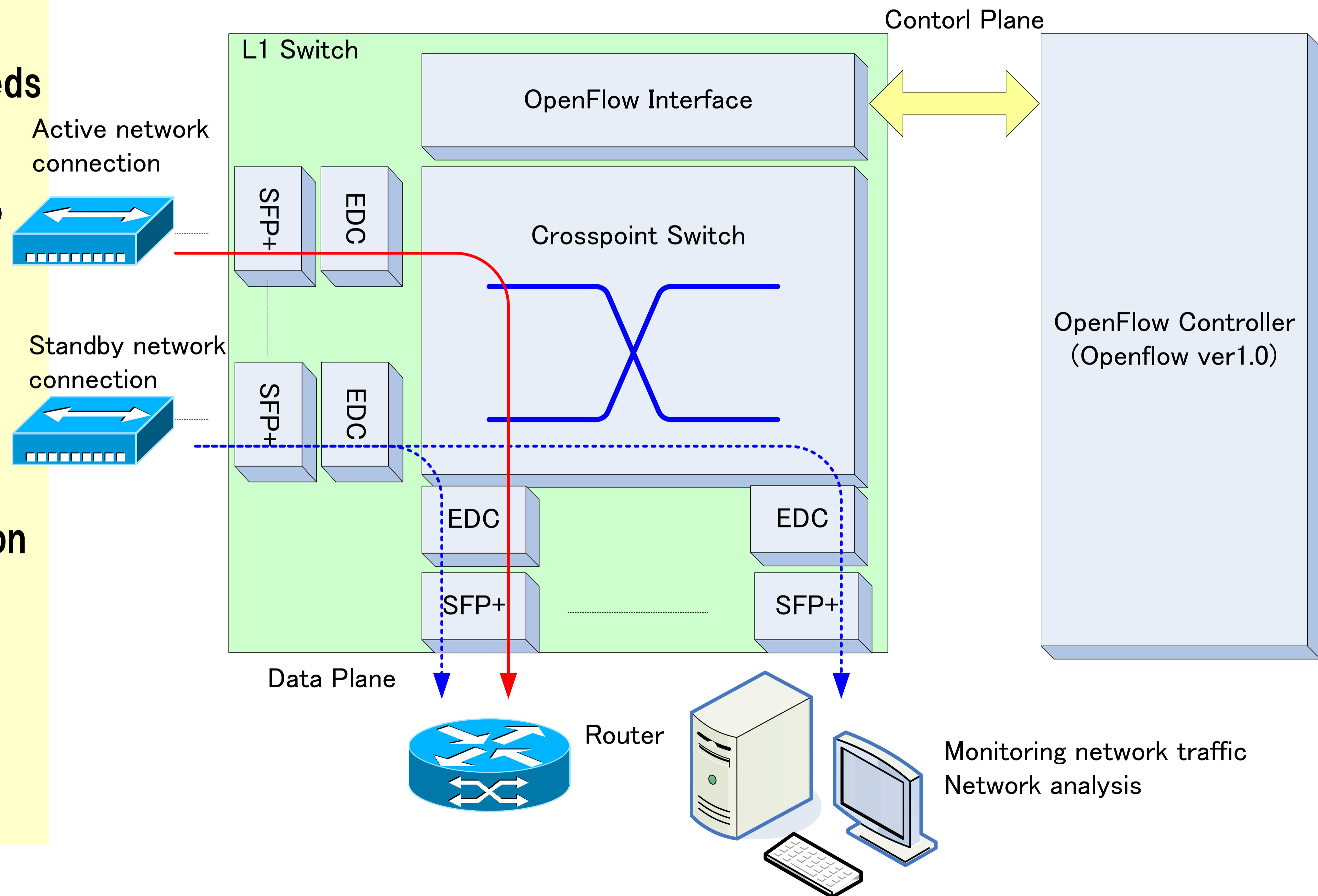
480Gb L1 Switch with SDN Control

Features & Benefits
- L1 switch supports OpenFlow ver1.0
- High-density, 480Gb, 1RU low profile design
- Support for SFP, SFP+ media types
- Aggregation of 2 Port SPAN traffic feeds into 1 port（Round robin）
- 10Gb TAP of Multiple Port
- Transparent for any MAC address & IP address
- Restriction free L2 transparency including CRC error packet or short packet

Applications
- Traffic aggregation from low-utilization 10Gb links（×2port）to any 10Gb（1port）
- Monitor multiple 10G traffic streams
- Equipped with Kintex7&10G Serdes, ideal for evaluation board
- In network research applications

Contorl Plane

L1 Switch

OpenFlow Interface

Active network connection

SFP+ EDC

Crosspoint Switch

Standby network connection

SFP+ EDC

OpenFlow Controller
（Openflow ver1.0）

EDC EDC

SFP+ SFP+

Data Plane

Router

Monitoring network traffic
Network analysis

【Efforts of OA Laboratory】

New 10GbE L2 Switch with SDN Control

Performance
- OpenFlow Edge switch supports OpenFlow ver1.0
- Hybrid Switching
- 8ports 100BASE-TX/1000BASE-T and 4ports 10GbE SFP +
- High-density, 96Gb, 1RU low profile design
- Support for SFP, SFP+ media types

L2 Features
- Auto-negotiation for port speed and duplex
- Spanning Tree Protocol:802.1D, 802.1w, & 802.1s
- VLANs:IEEE 802.1Q tagged based
  Port-based （up to 4094 VLANs）
- 802.3ad with LACP
- 802.1X - Port Based Network Access Control

L3 features
- Static route
- ACL:Ingress4096/Egress4096 Rule

Office

Control Plane

OpenFlow
Edge/Floor Switch

Datal Plane

Virtual Server
・OpenFlow Controller
・MAC Address Authorization

In-band Control Plane

OpenFlow
Edge/Floor Switch

Datal Plane

Internet

Router

WEB Server

XG4C8_OPF_ESW
OA Laboratory.,LTD

PORT_LED
1 - 4
5 - 8
9 - 12

10/100/1000BASE-T

10GBASE-SR/LR

RS232C

PWR/STATUS   RESET

bel

1

2

9   10   11   12

OA LABORATORY CO.,LTD