

# CloudEngine High-Performance Switches

**Elastic:** triple of industry average capacity to build a stable network for 10-year service development



- High-speed line cards: **12\*100GE, 36\*40GE**
- **160 Tbps** per chassis capacity, 10 Tbps per slot bandwidth
- Support for **18,000+** 10GE servers
- **18GB** buffer size to absorb traffic bursts

**Agile:** all-round openness to speed up cloud service innovations



- Industry's **first** SDN-based E2E data center network
- High-performance **VXLAN** distributed gateways enable flexible multi-tenant network deployment
- **Agile Controller** implements fast VM deployment
- **ZTP** achieves zero-touch configuration using Python scripts
- **vSwitch** supports multiple virtualization platforms to help in agile deployment of an L2 network
- **Full programmability** allows programming on all layers of ENP, OPS, and Linux containers.

**Virtualized:** **industry's highest 1:16** virtualization capability to achieve higher ICT resource utilization



- **VS:** virtualizes one core switch into **16 VSS**
- **CSS/SVF:** virtualizes multiple devices into one to simplify O&M
- **TRILL:** enables smooth VM migration over a large L2 network
- **EVN:** implements inter-DC virtualization
- **M-LAG:** supports 4 members with double management and control planes

**High-Quality:** deliver quality services and experience



- Industry-leading **fully orthogonal** architecture
- Patented **front-to-back** airflow design that completely isolates cold and hot air
- 2  $\mu$ s latency, highly efficient forwarding
- Hot standby of 5 hardware systems in a chassis

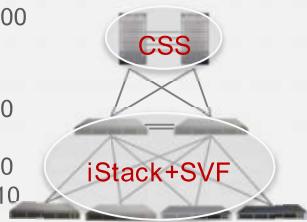
Informações fornecidas pelo fabricante

[www.flytec.com.py](http://www.flytec.com.py)

## Flexible and Scalable Network

### CSS + SVF

CE12800  
CE6850  
CE6810 /CE5810



- Scenario: partitioned, layered network; POD-based modular DC
- Highlights: modular design, easy management and high reliability

### TRILL Large L2 Fabric

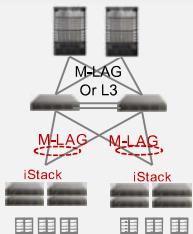
CE12800  
CE7800  
CE6800  
CE5800



- Scenario: IT resources virtualization in large scale, or new network
- Highlights: large scale network, high bandwidth utilization, flexible deployment of VMs

### M-LAG + Stacking

CE12800  
CE12800  
CE7800  
CE6800  
CE5800



- Scenario: partitioned, layered network; POD-based modular DC; network requiring high availability
- Highlights: high reliability, scalable network

### VXLAN

CE12800  
CE7800  
CE6800  
CE5800



- Scenario: large scale multi-tenant network virtualization spanning multiple clusters or DCs
- Highlights: SDN-based unified control and management, flexible deployment

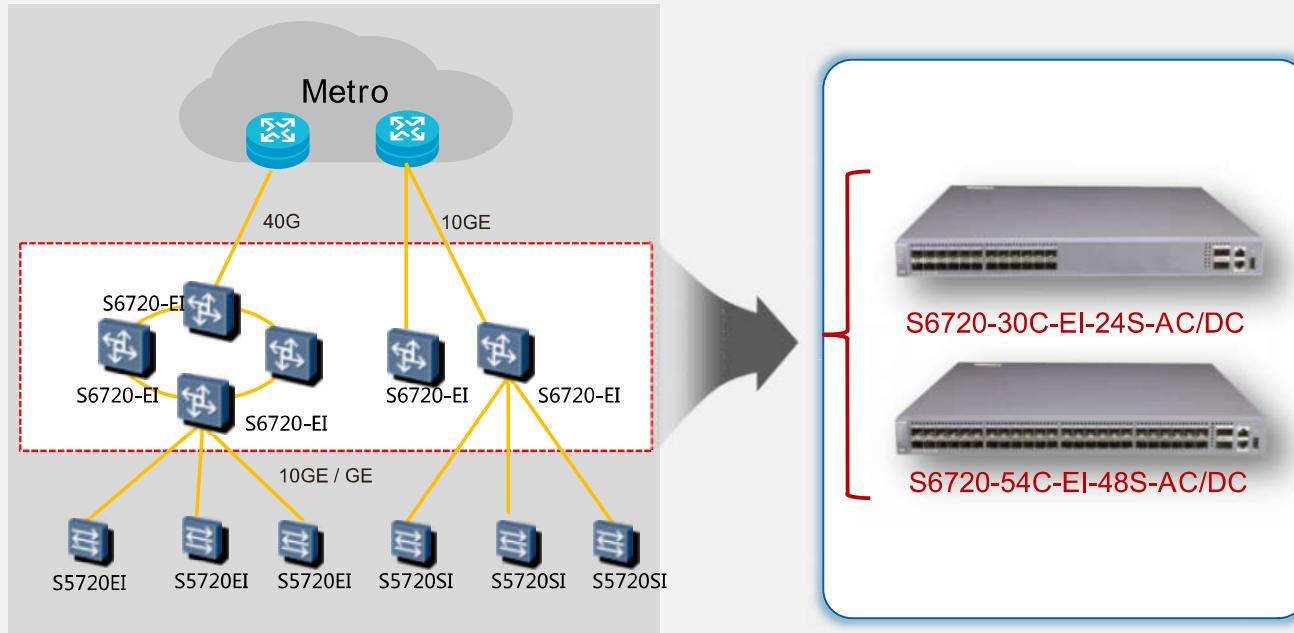
CE12800, CE7800, CE6850HI hardware VXLAN gateway

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# S6720-EI Positioning:

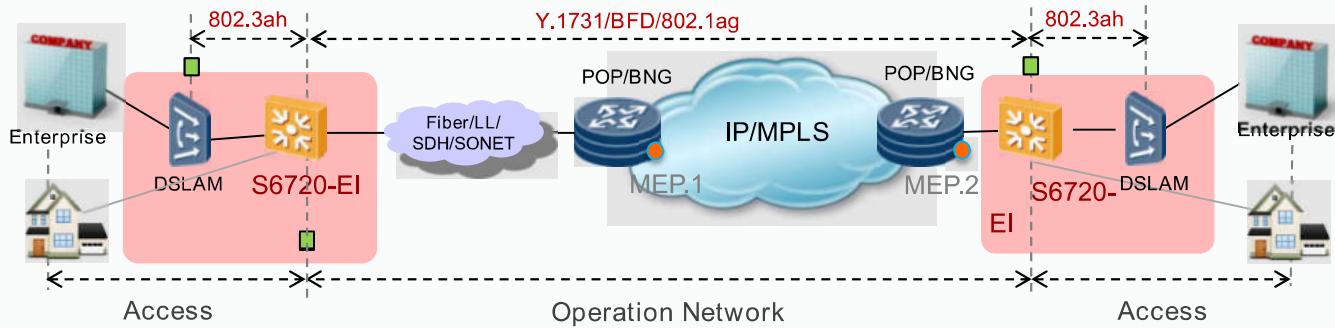
Metro Aggregation, Campus Aggregation or Core, DC Access



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# EOAM Ensures Nonstop Service Transmission



## Solution Advantages

- Complete EOAM features: BFD, Y.1731, 802.1ag, 802.3ah
- Fast link fault location: Rapidly detects faults on devices and links.
- Service protection: Achieve fast link switching to ensure that services are uninterrupted.

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# Specifications

Item	S6720-EI	CE6851HI	CE6810LI
Forwarding performance	1,080 Mpps	1,080 Mpps	720 Mpps
MAC entry	288K	288K	128K
MPLS Basic	Y	Y	N
MPLS TE	Y	N	N
MPLS/BGP L3VPN	Y	N	N
MPLS VPLS	Y	N	N
MPLS L2VPN	Y	N	N
FCoE	N	Y	Y
Trill	N	Y	N

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