



Product Catalog

Beyond The Fiber Beyond The World



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Shenzhen HS Fiber Communication Equipment Co.,Ltd
Manufacturer of PON Products

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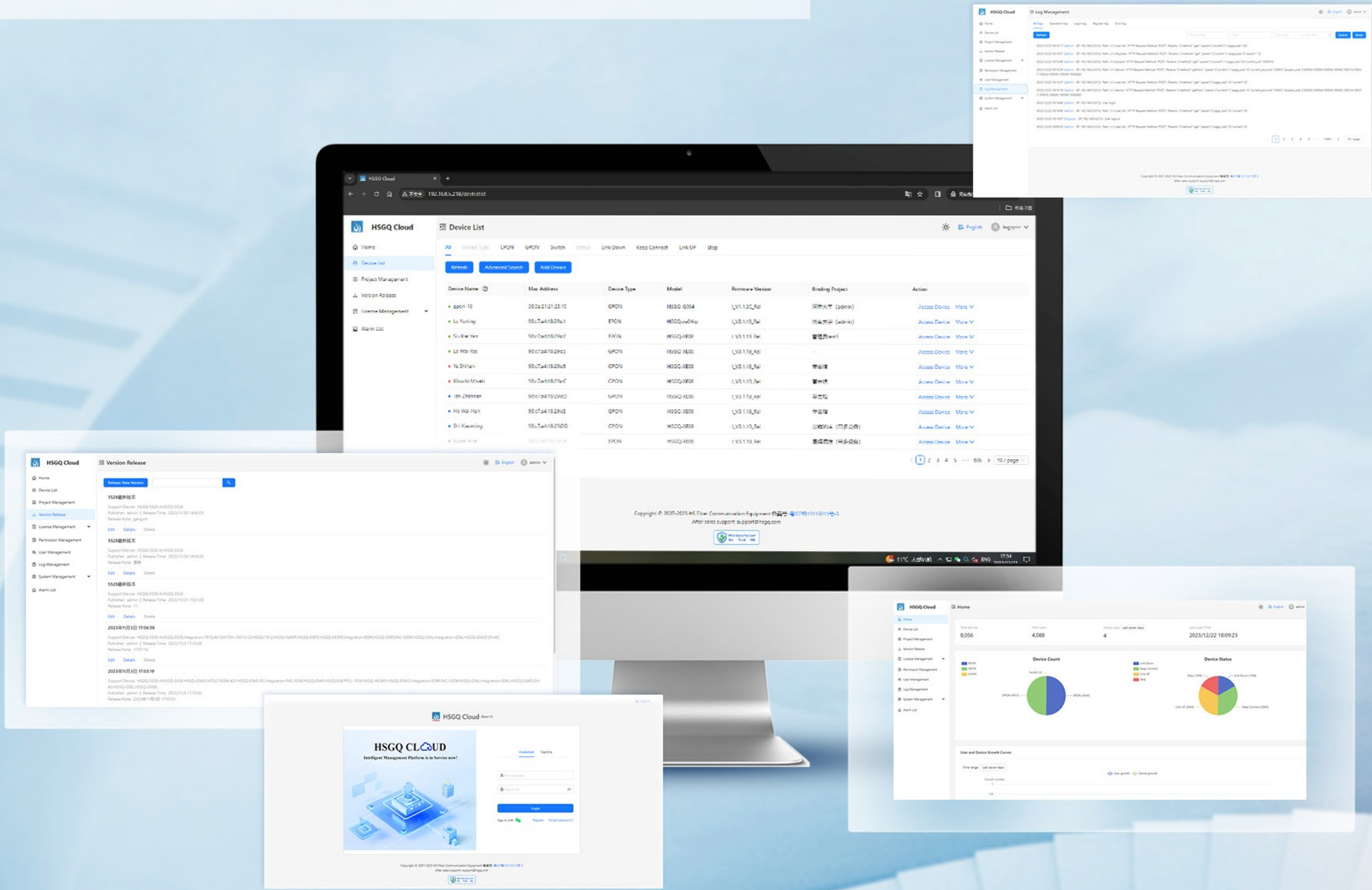


Support Cloud Management

Access and manage devices anytime and anywhere

Support System online Upgrade

The system can be upgraded to the latest version at any time, with the latest features



HSGQ Cloud Intelligent Management Platform

	Traditional OLT	HSGQ OLT
Operation Range	LAN ⊗ Access Limit	Public Network Access ✓ APP Login
Management Agreement	SNMP ⊗ Slow	Open API ✓ Fast
Communication Agreement	Private Protocol Encryption ⊗ Not Open	Open Private Protocol ✓ Open



Company Profile

Shenzhen HS Fiber Communication Equipment Co.Ltd, established in 2007 and headquartered in Shenzhen, a science and technology center, is a high-tech enterprise focusing on R&D production, sales and service of optical fiber communication equipment, and is a market innovator and pioneer of application technology in the field of optical communication equipment and optical network interconnection worldwide.



Intelligent Cloud Management, FTTR. All-Optical Network Equipment Supplier

HSGQ provides broadband access products, and OEM for customers. For now, we focus on GPON/EPON OLT, GPON/EPON ONU, optical fiber transceivers, SFP and other equipment, with over 10-year experience in FTTH. All products are developed and produced with independent intellectual property. We has a number of industrial utility model patents and software copyright registration rights, and national authoritative test certificates, such as 3C, CE, ANATEL, ISO9001, ROHS, and other related licenses. HSGQ have established a complete product sales, customer service and technical support system around the world. We always take technology as the forerunner, continuously innovates, look forward to the future. HSGQ will expand the traditional route of ONU to 10G-EPON and XG(S)-PON, will pave the way for the next generation network.



Found in 2007



Employees over 200



Square 7000m²

Development Path

2023
10G PON ONU, WiFi 6 ONU product release,
XG-PON/XGS-PON OLT product technology pre-research
Cloud platform version 1.0 released
Moved to a new factory, continued to expand production
lines, and established a dust-free production workshop



Break Through

2019
Gain "High-tech Enterprise Certificate"
"Intellectual Property Management System Certification"
"Quality Management System Certification Certificate"
"Environmental Management System Certification
Certificate"
"Brand Certification Certificate"
3 3C certification certificates, CE certification certificate

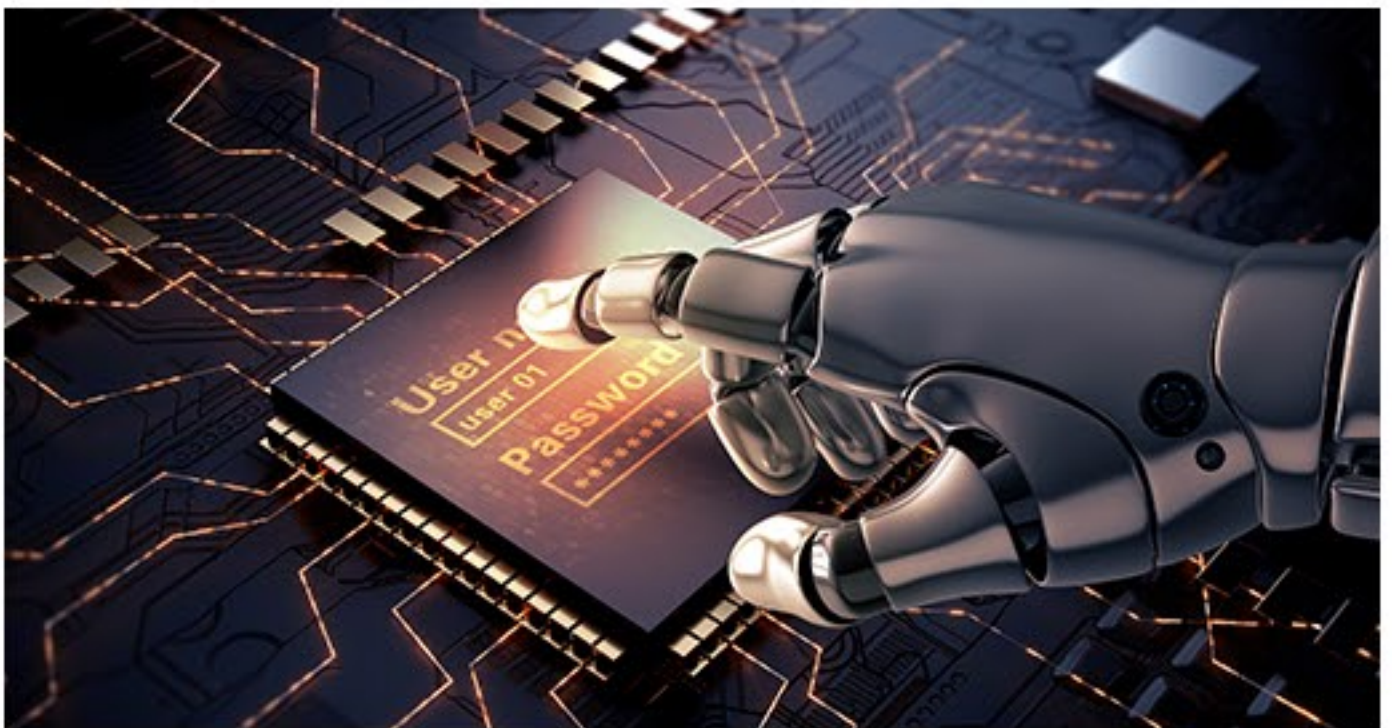


Explore

2012
Established its own trademark brand HSGQ,
and was rated as a recommended brand for
safe city construction in China in 2010
2010
The company passed the ISO9001 quality
management system certification and possesses the
"Telecom Equipment Network Access License"

New Journey

2024
R&D and production of 10G OLT, switches, and WiFi 7



Development

2022
The company won the honorary title of National
High-tech Enterprise
2021
Has 63 domestic patents and 1 overseas patent
including 33 invention patents
30 design patents
11 domestic registered trademarks
10 overseas registered trademarks
Annual sales reached 200 million RMB

Innovate

2017
Owned 5 patents and 21 software copyrights
2015
Established PON product R&D team and began to
launch OLT and ONU series products
2014
Establishment of optical module production line, R&D
and mass production of Pon modules, PON Stick and
1.25G, 10G, 25G SFPs.



Set sail

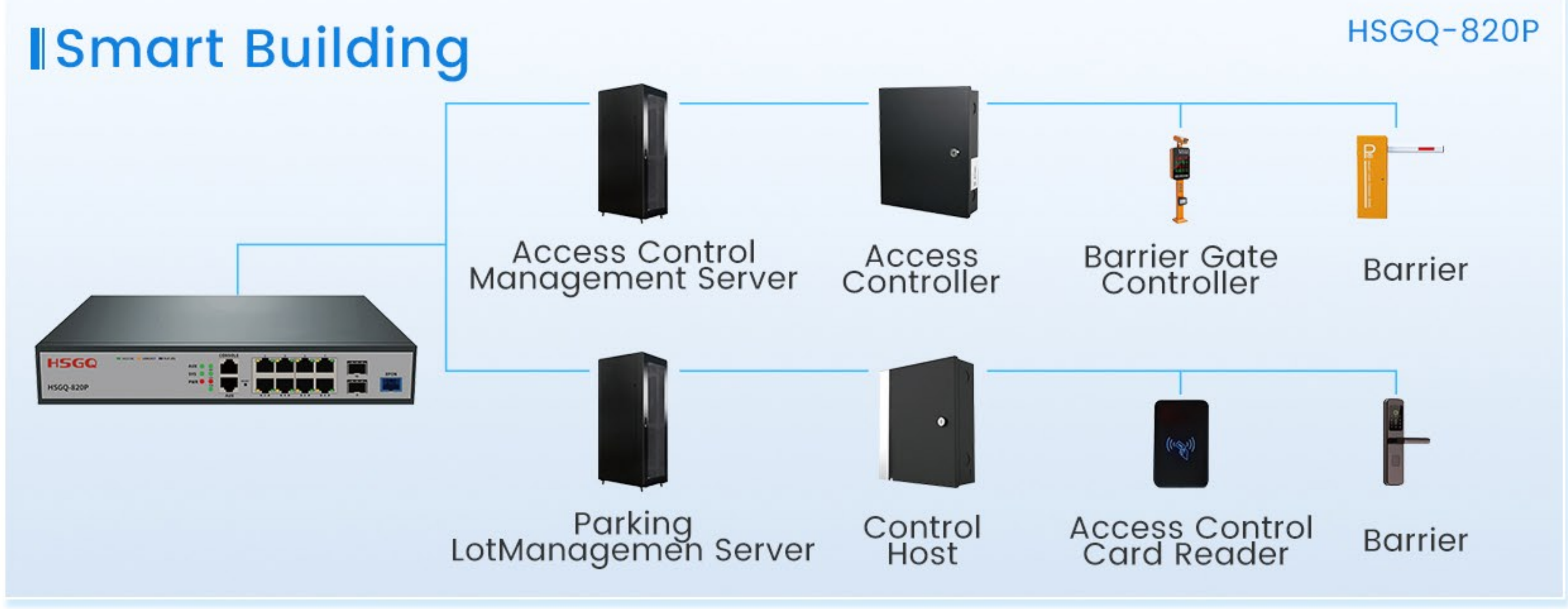
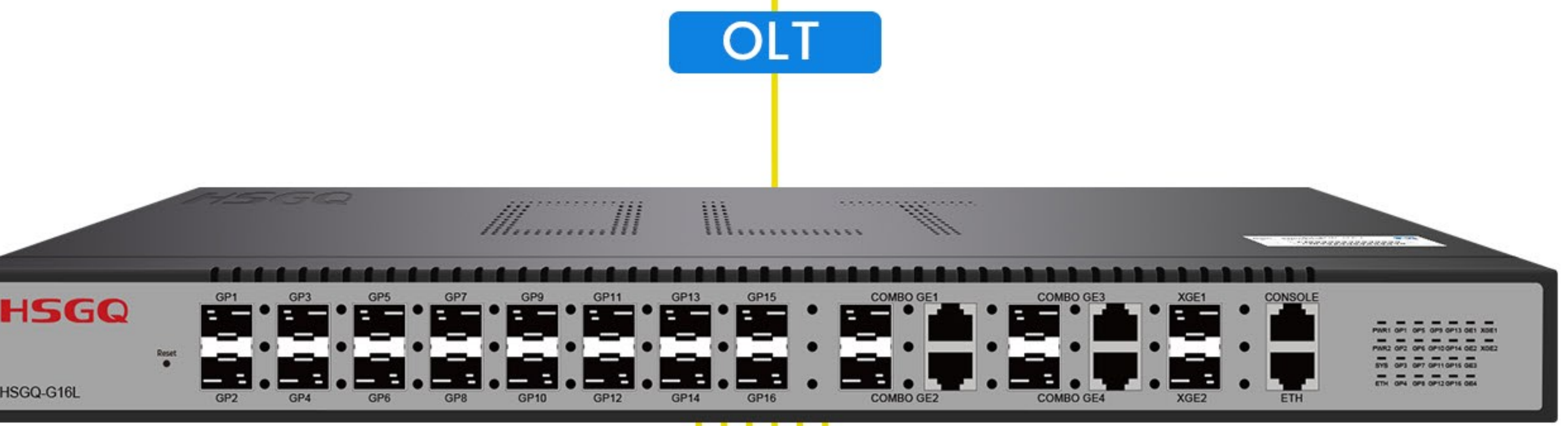
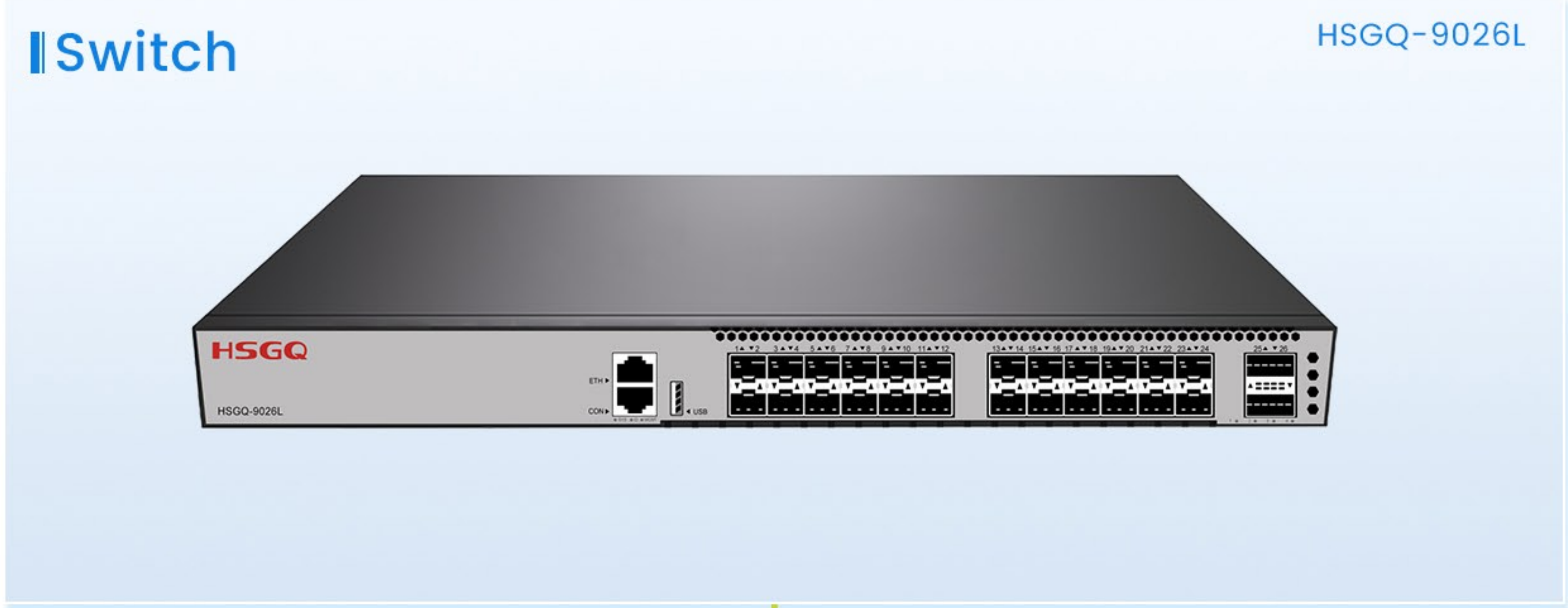
2007
HSGQ was established, Launched media converters
and high-definition video optical transceiver products

Brand Honors Strength certification



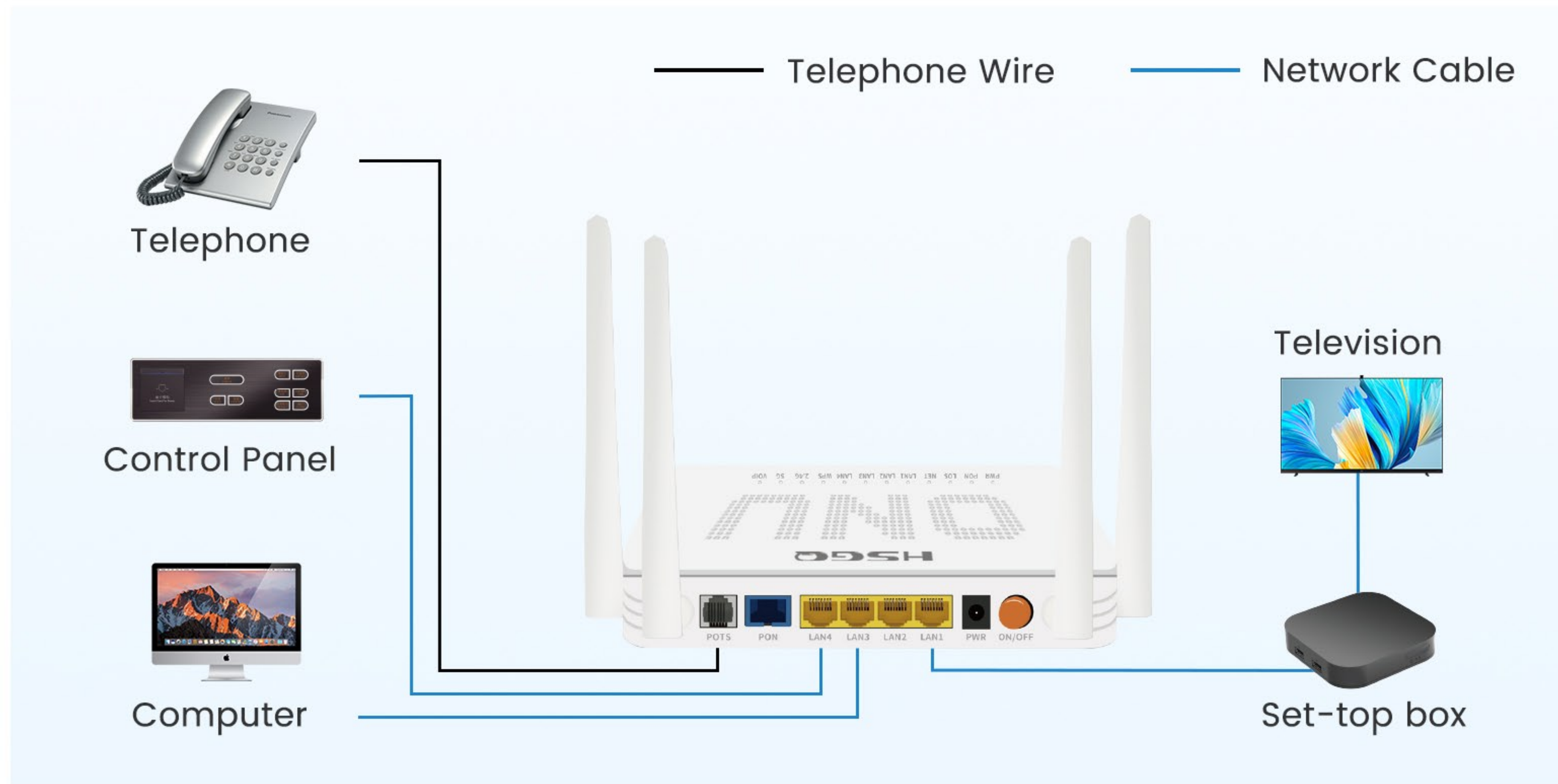
Manufacturer Of Pon Products

- Voip Voice Gateway
- Guest Control System
- Telecommunications, Telephone
- Extranet Router
- IPTV Server
- Storage Server
- Management Host
- RCU
- Core Switch
- Surveillance Wall



Hotel Apartment All-Optical Solution

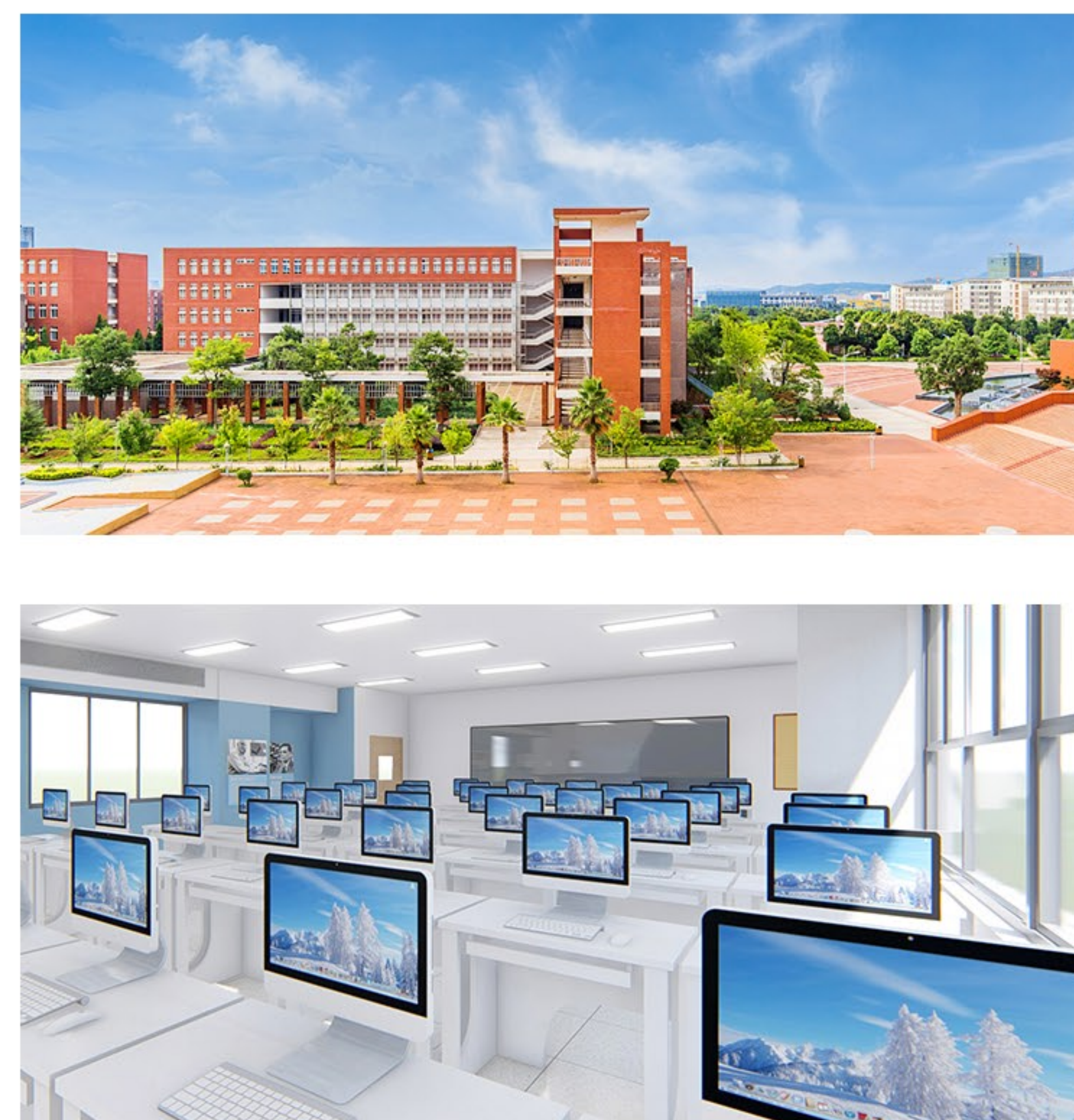
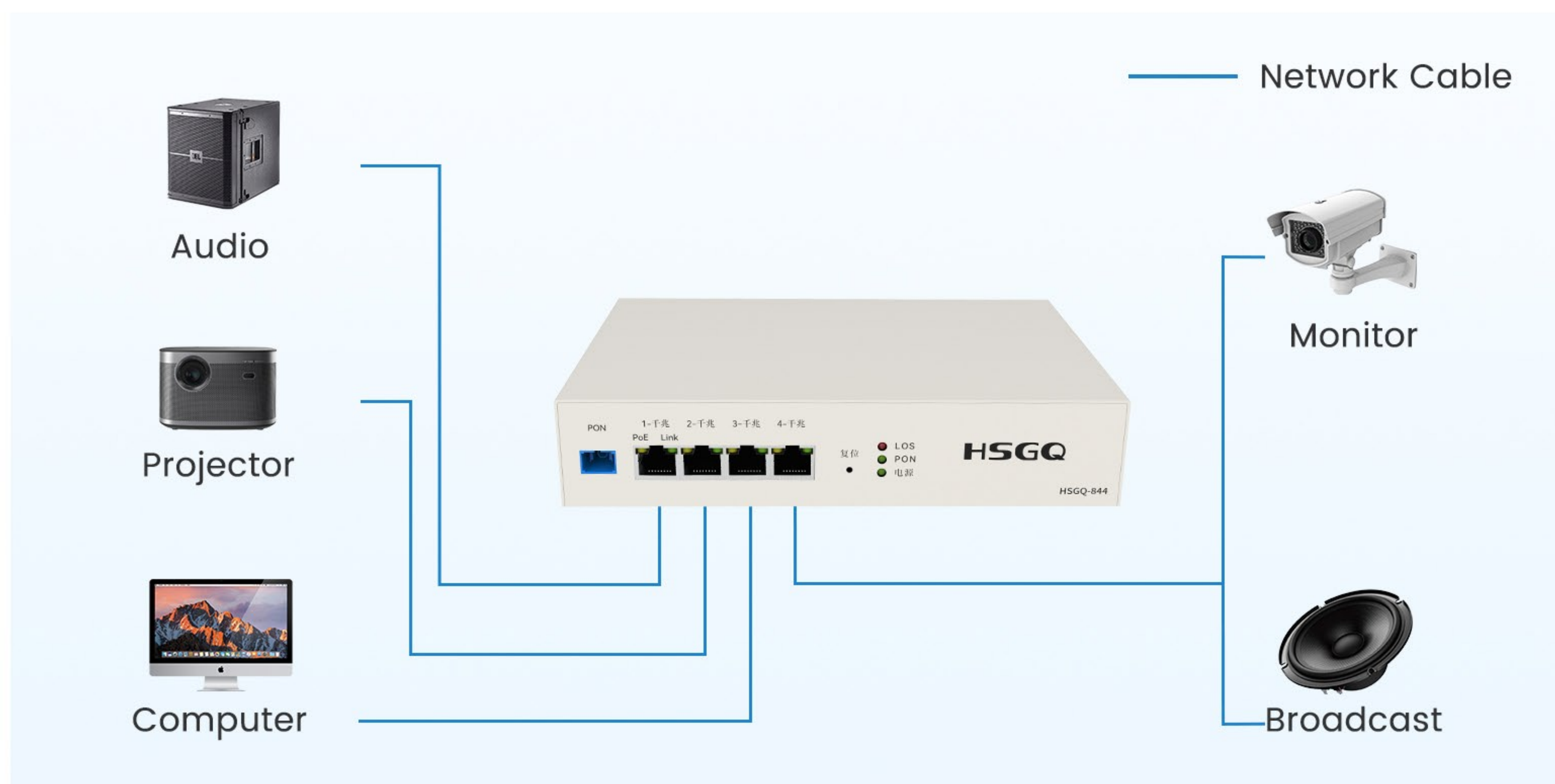
POL, Large Bandwidth / Less Wiring Lower Cost / Cloud Management Easy Operation



- 🏠 Fiber to the room, without corridor weak current room save wiring, reduce air conditioning supporting facilities and potential safety hazards
- 📄 One OLT is full-service, flexible deployment, and faster business addition and adjustment
- 🔌 ONU provides multi port services and flexibly supports telephone, computer, TV, monitoring and guest control system access
- 📋 Hotel ONU plug and play, change and connect, maintenance free and configuration free, reducing operation and maintenance manpower

Campus All-Optical Solution

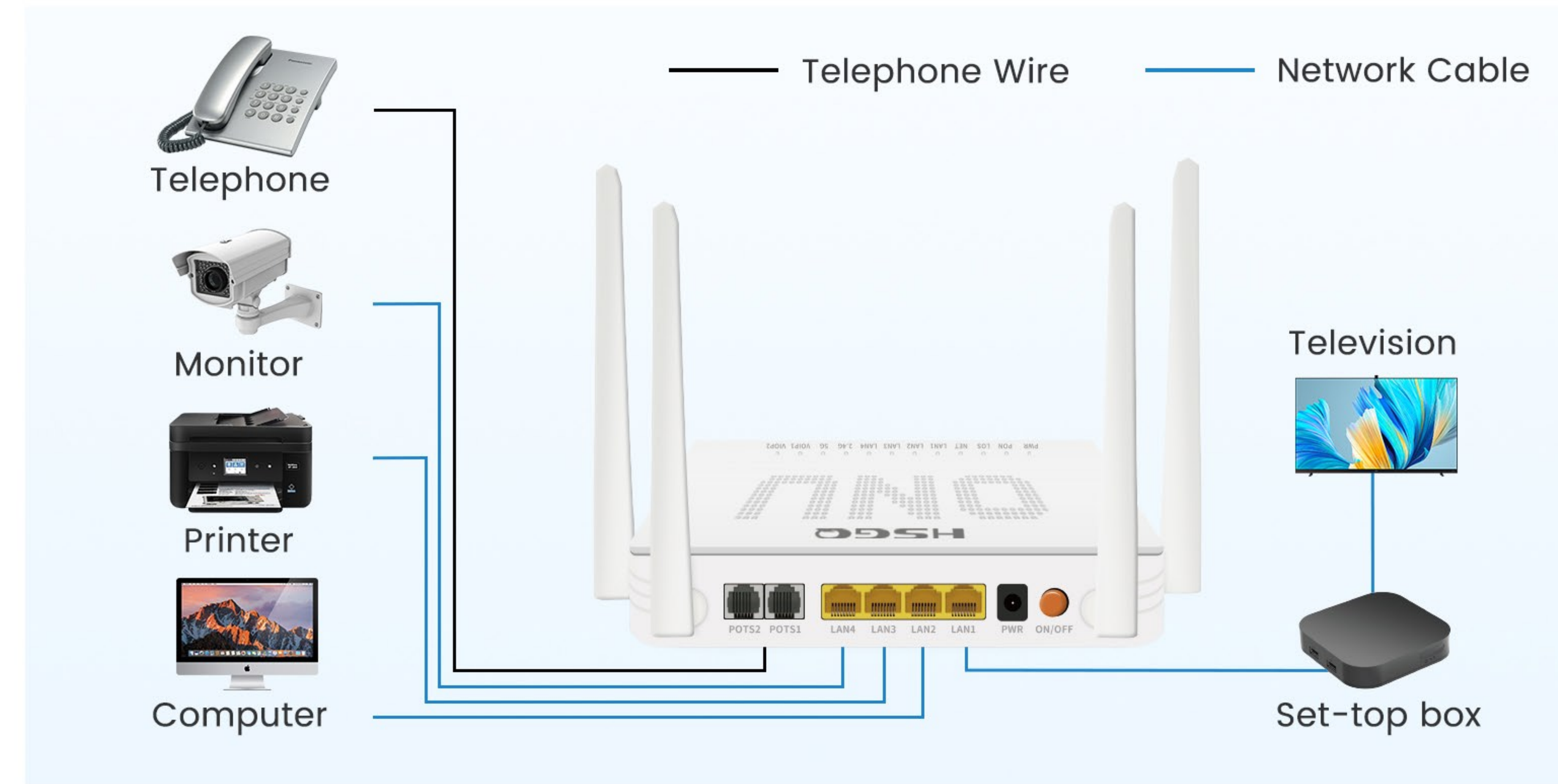
POL, Large Bandwidth / Less Wiring Lower Cost / Cloud Management Easy Operation



- 🏠 Optical fiber to classroom, without corridor weak current room, save wiring, reduce air conditioning supporting facilities and potential safety hazards
- 📄 One OLT is full-service, flexible deployment, and faster business addition and adjustment
- 🔌 ONU provides multi port service functions and flexibly supports audio, projector, computer, monitoring and broadcast access
- 📋 Classroom ONU plug and play, change and connect maintenance free and configuration free, reducing operation and maintenance manpower

Hospital All-Optical Solution

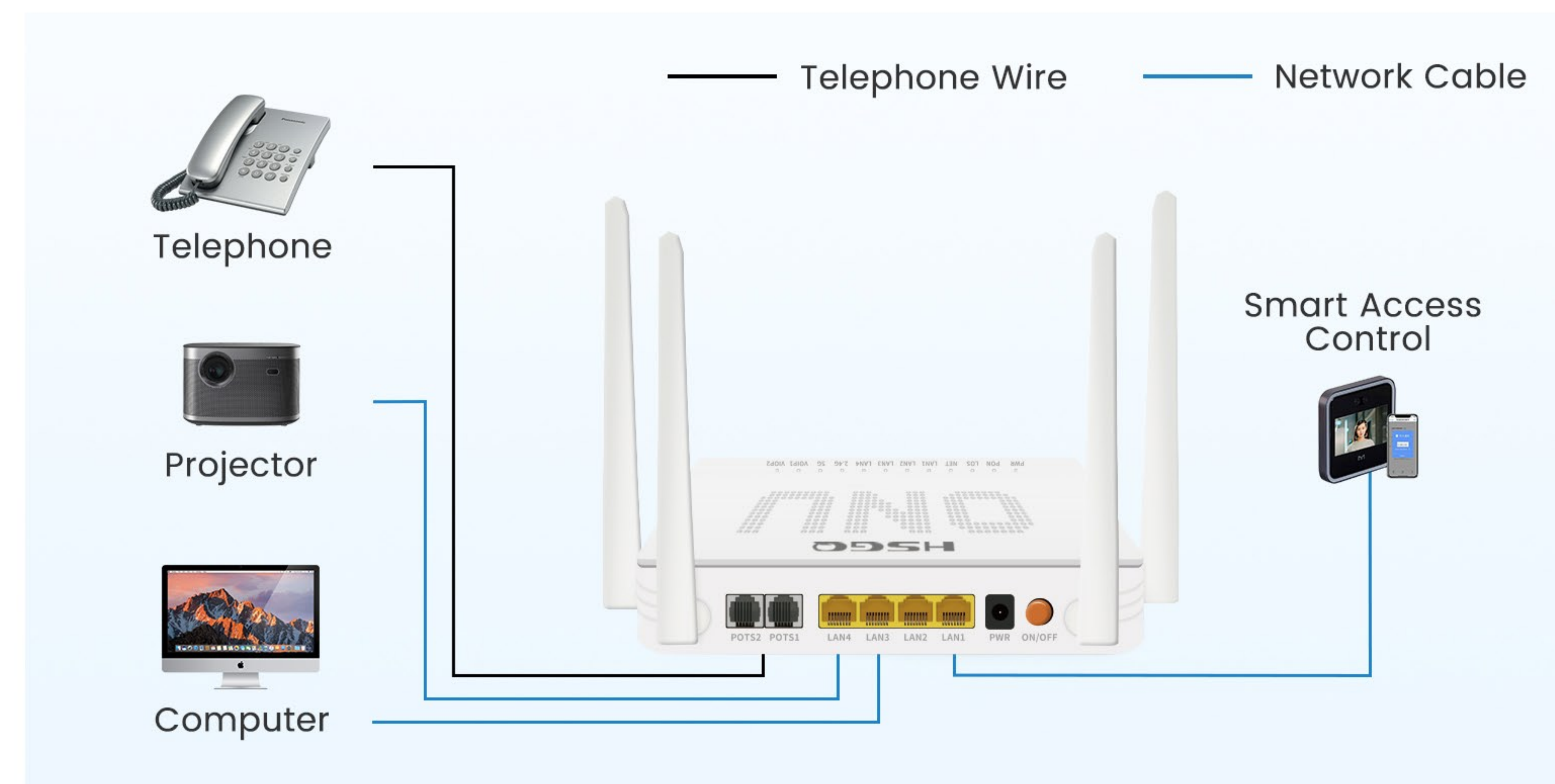
POL, Large Bandwidth / Less Wiring Lower Cost / Cloud Management Easy Operation



- 🏠 Optical fiber to the hospital, without corridor weak current room, save wiring, reduce air conditioning supporting facilities and potential safety
- 📄 ONU provides multi port services and flexibly supports TV, computer, printer, monitoring and telephone access
- 🔌 One OLT is full-service, flexible deployment, and faster business addition and adjustment
- 📋 Hospital ONU plug and play, change and connect, maintenance free and configuration free, reducing operation and maintenance manpower

Park Office All-Optical Solution

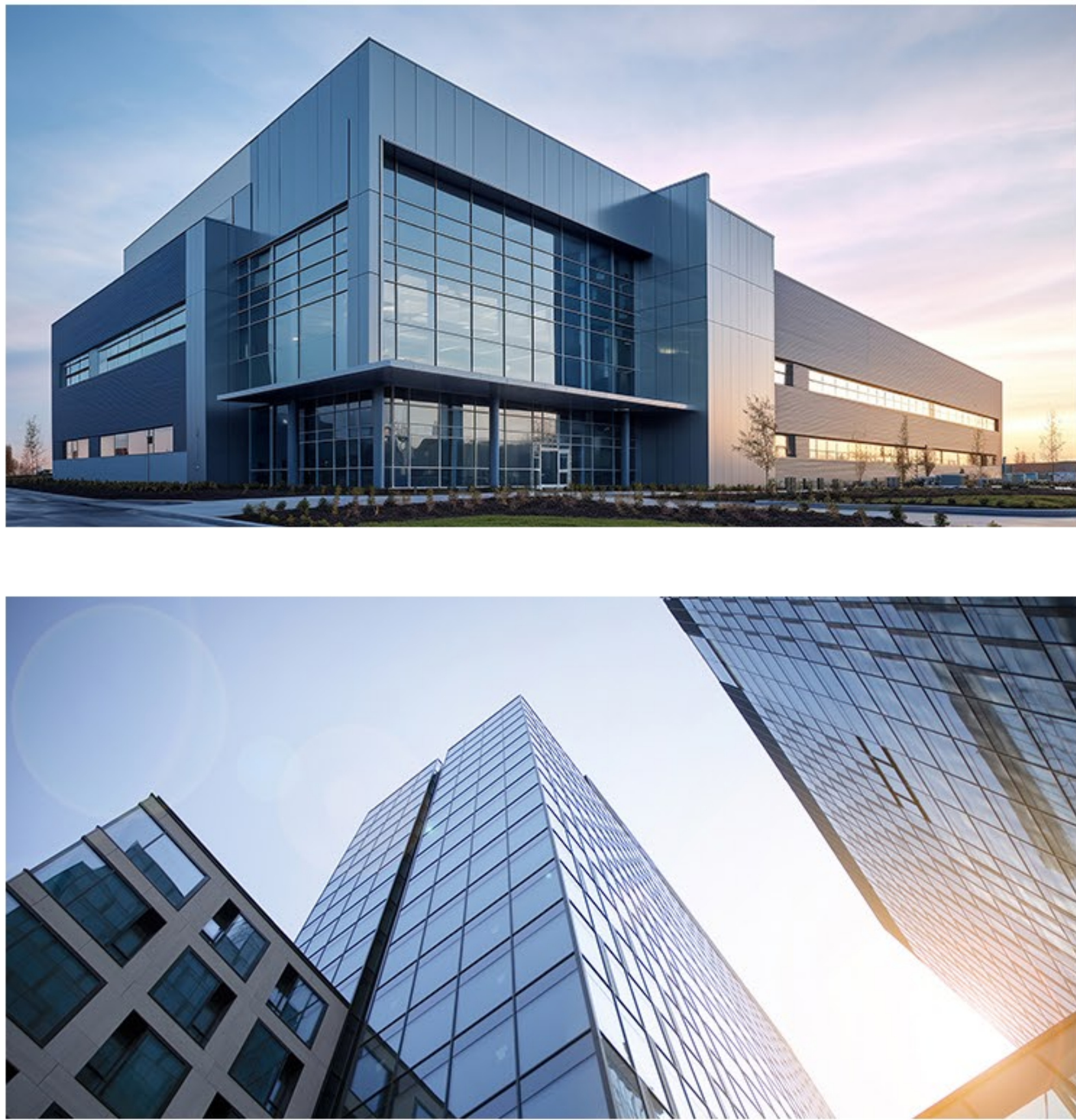
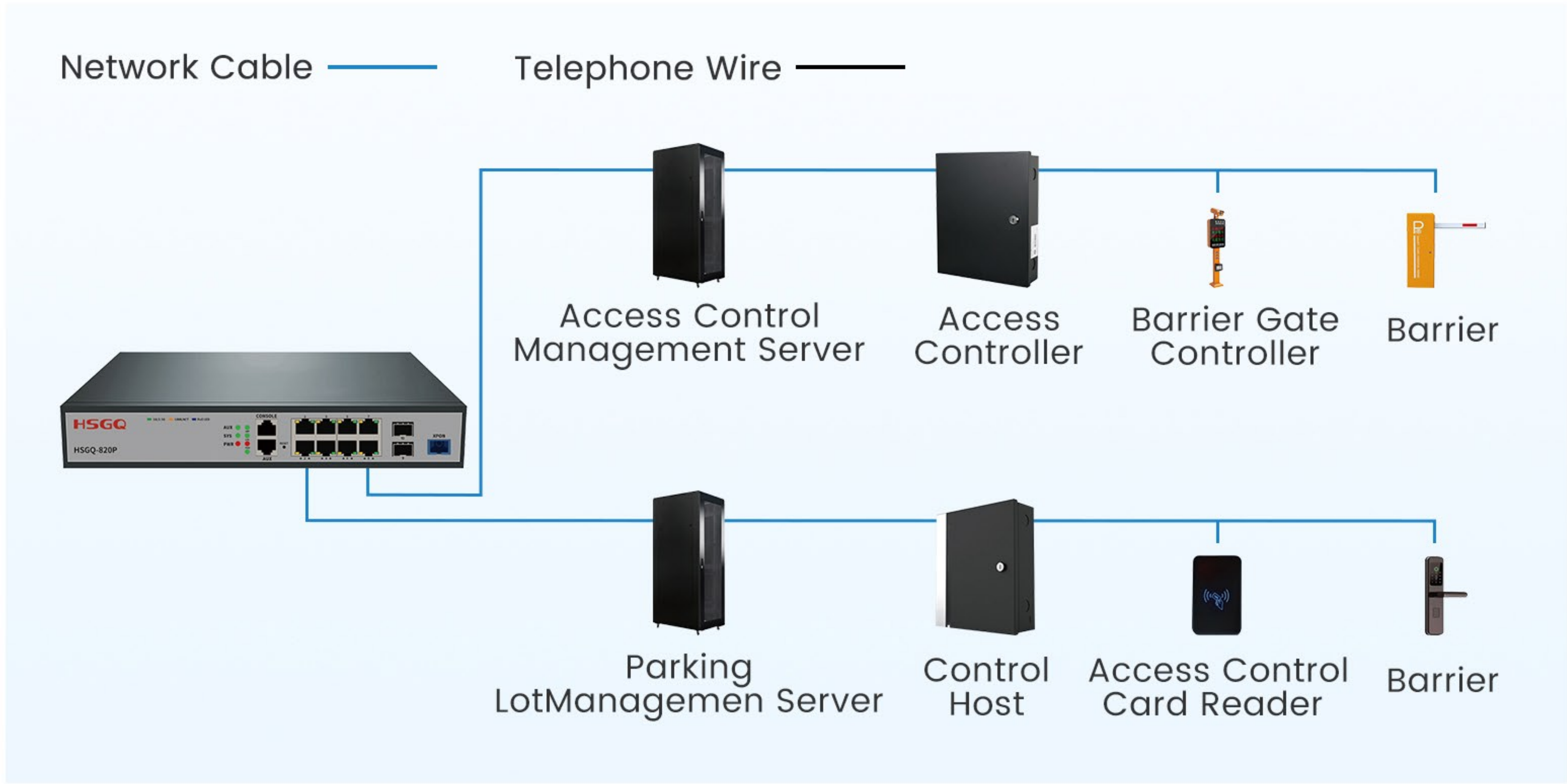
POL, Large Bandwidth / Less Wiring Lower Cost / Cloud Management Easy Operation



- 🏠 Optical fiber to the park, without corridor weak current room saves wiring reduces air condition supporting facilities and potential safety hazards
- 📄 One OLT is full-service, flexible deployment, and faster business addition and adjustment
- 🔌 ONU provides multi port services and flexibly supports computers, projectors intelligent access control and telephone access
- 📋 Classroom ONU plug and play, change and connect maintenance free and configuration free, reducing operation and maintenance manpower

Smart Building All-Optical Solution

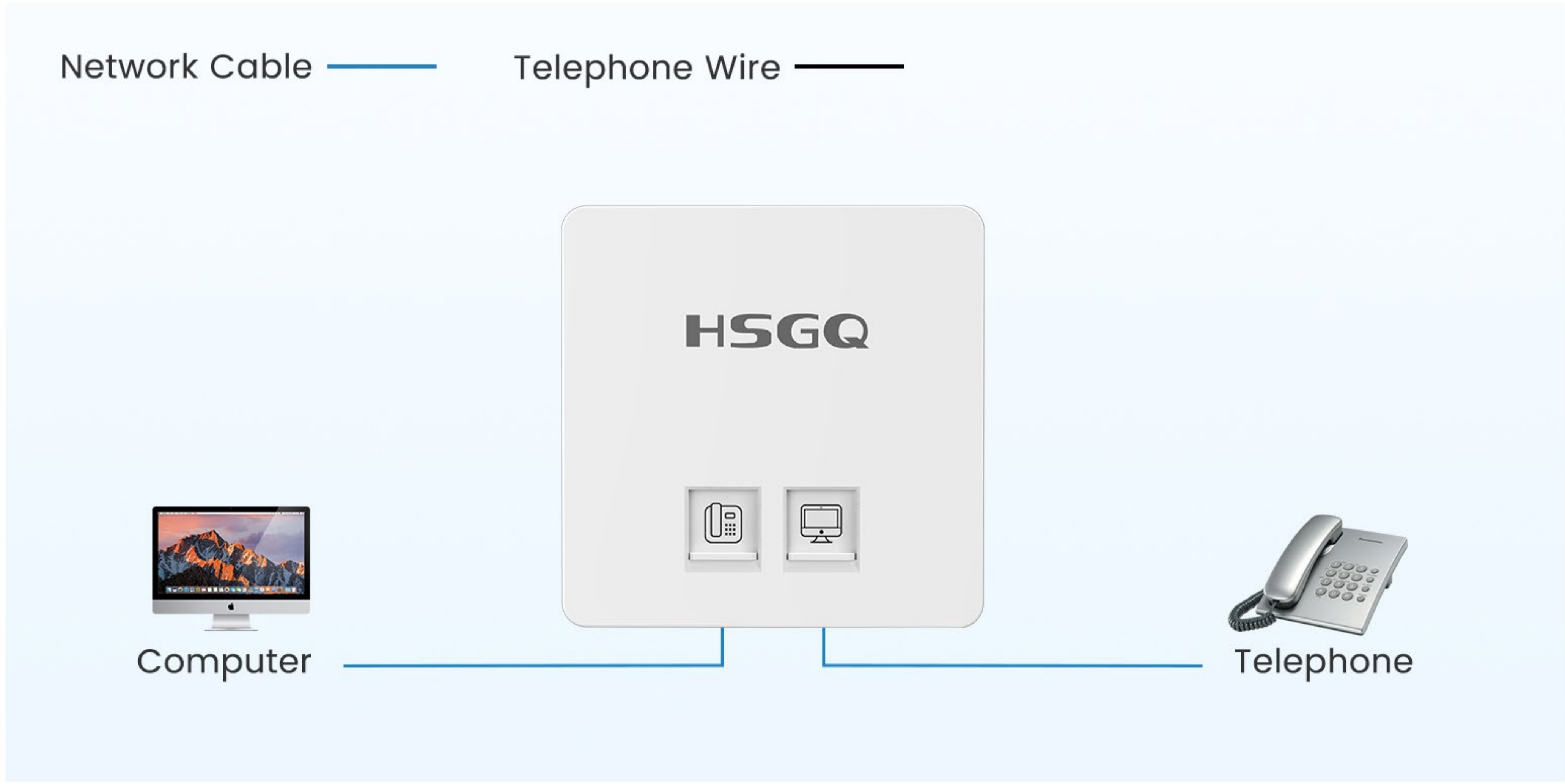
POL, Large Bandwidth / Less Wiring Lower Cost / Cloud Management Easy Operation



-  Optical fiber to the machine room, without corridor weak current roomsave wiring, reduce air conditioning supporting facilities and potential safety hazards
-  One OLT is full-service flexible deployment, and faster business addition and adjustment
-  ONU provides multi port services and flexibly support access control card reader, intelligent door lock, parking lot gate and camera access
-  Building ONU plug and play, change and connect, maintenance free and configuration free, reducing operation and maintenance manpower

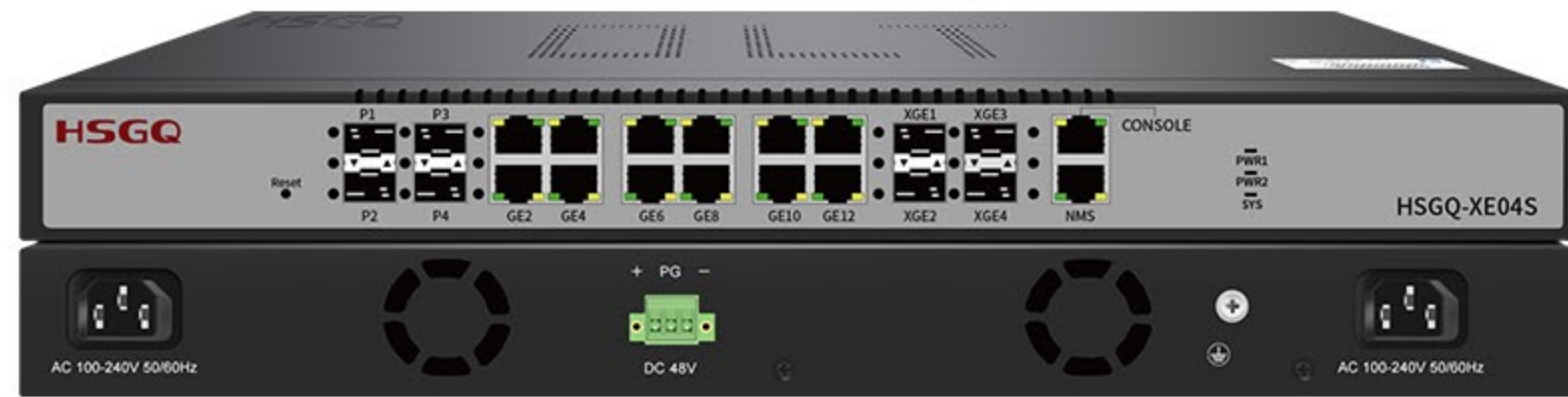
FTTD All-Optical Solution

POL, Large Bandwidth / Less Wiring Lower Cost / Cloud Management Easy Operation

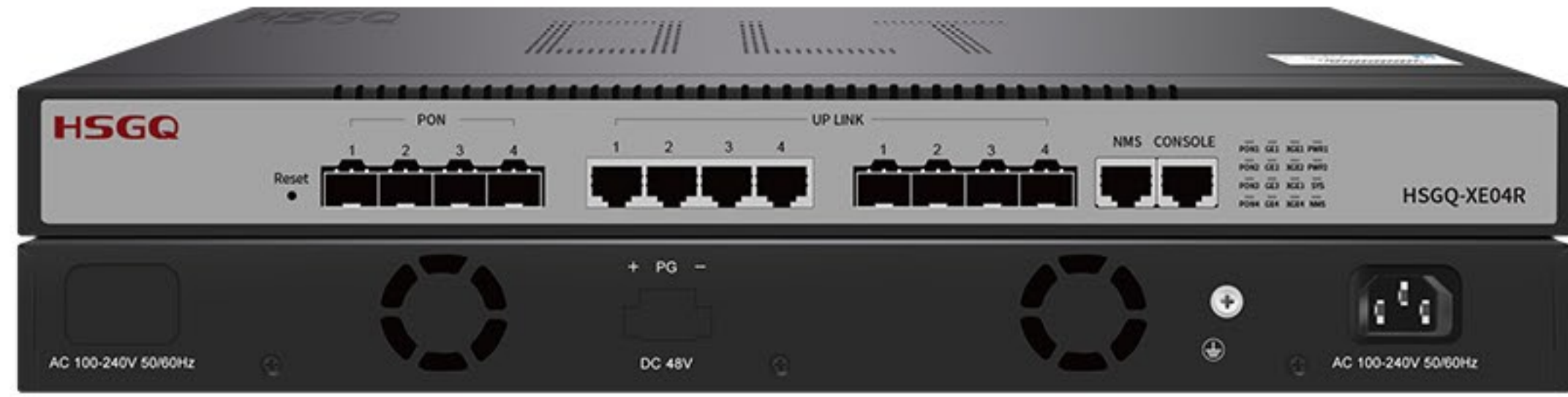
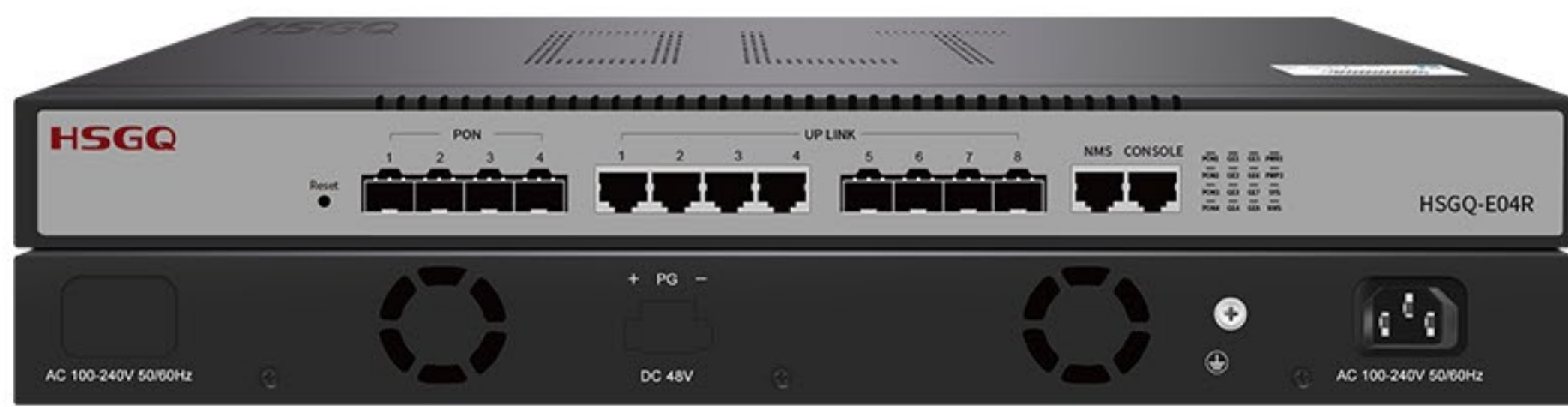


-  Optical fiber to desktop, without corridor weak current room, save wiring educe air condition supporting facilities and potential safety hazards
-  One OLT is full-service flexible deployment and faster business addition and adjustment
-  ONU provides multi port services and flexibly supports computer and telephone access
-  ONU plug and play change and connect, maintenanceree and configuration free, reducing operation and maintenance manpower

EPON OLT



Model	HSGQ-XE04S
Size	442mm*260mm*44mm
PON Port	4*PON Port
RJ45 Port	12*GE RJ45
SFP+ Slots	4*10G SFP+ Port
Management Port	1* NMS Port, 1*CONSOLE Port
Power Supply	AC:100-240V 50/60Hz DC: 48V DC
Redundancy Design	Support Double AC Input Double DC Input, AC+DC Input
L3 Feature	Support Static Routing+Support DHCP
Working Temperature	-10-60°C



Model	HSGQ-E04R	HSGQ-XE04R
Size	442mm*260mm*44mm	
PON Port	4*PON Port	
RJ45 Port	4*GE RJ45	
SFP Slots	4*GE SFP+ Port	N/A
SFP+ Slots	N/A	4*10G SFP+ Port
Management Port	1* NMS Port, 1*CONSOLE Port	
Power Supply	AC:100-240V 50/60Hz DC: 48V DC	
Redundancy Design	Support Double AC Input, Double DC Input, AC+DC Input	
L3 Feature	Support Static Routing; Support DHCP	
Working Temperature	-10-60°C	

EPON OLT



Model	HSGQ-E08R	HSGQ-XE08R
Size	442mm*260mm*44mm	
PON Port	8*PON Port	
RJ45 Port	4*GE RJ45	
SFP Slots	4*GE SFP Port	N/A
SFP+ Slots	N/A	4*10G SFP+ Port
Management Port	1* NMS Port, 1*CONSOLE Port	
Power Supply	AC: 100-240V 50/60Hz DC: 48V DC	
Redundancy Design	Support Double AC Input / Double DC Input / AC+DC Input	
L3 Feature	Support Static Routing+Support DHCP	
Working Temperature	-10-60°C	

GPON OLT



Model	HSGQ-G08L	HSGQ-G04L	HSGQ-G16L
Size	442mm*380mm*44mm	442mm*260mm*44mm	
PON Port	8*PON Port	4*PON Port	16*PON Port
RJ45 Port	4*GE RJ45		N/A
SFP Slots	2*GE SFP Port		N/A
SFP+ Slots	2*10G SFP+Port		2*10G SFP+ Port
Combo Port	N/A		4*GE COMBO Port
Management Port	1* ETH Port; 1*CONSOLE Port		
Power Supply	AC: 100-240V 50/60Hz; DC: 48V DC		
Redundancy Design	Support Double AC Input; Double DC Input; AC+DC Input		
L3 Feature	Support Static Routing; Support DHCP; Support OSPF		
Working Temperature	-10-55°C		

GPON OLT



Model	HSGQ-G01	HSGQ-G02
Size	260mm*180mm*144mm	
PON Port	1*PON Port	2*PON Port
RJ45 Port	4*GE RJ45	
SFP+ Slots	1*10G SFP+ Port	
Management Port	1*ETH Port	
Power Supply	1*CONSOLE Port	
Redundancy Design	AC: 100-240V 50/60Hz DC:12V DC	
L3 Feature	AC+DC Input	
Working Temperature	-10-60°C	

Software Features

- Support automatic registration of ont and automatic creation of service virtual port
- Support web, CLI, NMS and SNMP
- Support cloud management: public network remote access, open API
- Support IGMP multicast function and RSTP and MSTP spanning tree protocols
- Port attribute management, including port rate configuration, port isolation, and port mirrorir
- Support traffic suppression function, traffic statistics and AES data encryption
- Support VLAN stacking and aggregation based on virtual port
- Support alarm function to diagnose network fault
- Support Qos with reliable service quality assurance
- Support svlan template to automatically generate virtual ports
- Support DBAfunction, so that users can share broadband more reasonably
- It has good compatibility and can be connected with the mainstream ONU in the market

Product Features

- 🏠 Compact design to meet the needs of different application scenarios
1U 19 inch standardized design,support multi-scene deployment4 port/8 port/16port optional, 1G/10Guplink design flexible choice
- 💰 High economy, low energy consumption saving total cost of ownership
PON point-to-multipoint, multi-area, passive design throughout the total power consumption of the equipmentis low and the investment cost is small
- 🚚 Small in size and light in weight, easy to transport and deploy quickly
Support various environment installation, wall-mounted cabinet central office, basement, weak electric rgom and so on Limited space outdoor cabinet, small volume andlow weight formountain installation
- 🔒 Redundant protection at telecommunication level to ensure stable operation of network
PON ports supports Type B

Data Center Switch

High-performance /Layer 3 / 10G SFP+
100G QSFP28/ Robust Feature

24*10GE+2*100G QSFP28 L3 Managed Switc

HSGQ-9026L/9056L/9054L...



L3 Managed Switch

OSPF/Cloud Manged/RIP

12/28/54-Port Manged Switches

HSGQ-5912/7912/5528/5528P/5554P...



L2 Managed Switch

OSPF/Cloud Manged/RIP

12/28/54-Port Manged Switches

HSGQ-SL224/SL216P/SL224P...



Ethernet Switches

5/8/16/24-Port Unmagaged Switches

Advanced Chipset/Safety Protection/LED Indicator/
Completely Compatible

HSGQ-SF1005D/SF1008D/SG1005D/SG1008D/SG105D/SG108D/
SG116/SG124...



PoE Switches

OSPF/Cloud Manged/RIP

6/12/28/54-Port Manged Switches

SF1006P/SF1008P/SF1016P/SF1024P/SG1005P/SG1008P/SG2008P
SG2016P/SG2024P/SL208P/SL216P/SL224P...



Data Center Switch



Model	HSGQ-9026L	HSGQ-9056L	HSGQ-9054L
Size	444*290*44mm	440*430*43.6mm	442mm*290mm*43.6mm
SFP+ /SFP28 Slots	24*10G	48*25G	48*25G
QSFP28 Slots	2*100G	8*100G	2*40Gb QSFP+, 4*25G/10G uplink
Management Port	1*Console Port; 1* ETH Port; 1* USB Port		
Fan	4* fixed fan	5* hot-swap Fan Module	4*fixed fan
Switching Capacity	880 Gbps	4 Tbps	600Gbps
Packet Forwarding Rate	540 Mpps	2976 Mpps	446.40Mpps
Power Supply	100-240V 50/60Hz	Dual hot-swap CRPS	1*200W fixed power supply
Working Temperature	0°C to 45°C		
Management	L3+ Managed		

L3 Managed Switch



Model	HSGQ-5528	HSGQ-5528P
Size	440*220*44mm	444*320*44mm
Copper	24*GE	
SFP Slots	4*10G	
Management Port	1*Console Port	
PoE Port	N/A	PoE af/at 1-24
PoE Power	N/A	360W
Power Consumption	35W	400W
Switching Capacity	128 Gbps	
Packet Forwarding Rate	95 Mpps	
Power Supply	100-240V 50/60Hz	
Working Temperature	-10-55°C	
Management	L3 Managed	

L3 Managed Switch



Model	HSGQ-5912	HSGQ-5924	HSGQ-5554P
Size	380*43.8*176mm	444*320*44mm	
Copper	N/A	N/A	48*GE
SFP Slots	12 *10G	24*10G	6*10G
Management Port	1*Console Port		
PoE Port	N/A		PoE af/at 1-48
PoE Power	N/A		720W
Power Consumption	40W		800W
Switching Capacity	240 Gbps	480 Gbps	216 Gbps
Packet Forwarding Rate	179 Mpps	358 Mpps	161 Mpps
Power Supply	100-240V 50/60Hz		
Working Temperature	-10-55°C		
Management	L3 Managed		

L2 Managed Switch



Model	HSGQ-SL224P	HSGQ-SL216P	HSGQ-SL208P
Size	440*280*44mm	440*204*44mm	268*181*44mm
Copper	24*GE	18*GE	8*GE
SFP Slots	4*1G (Combo)	2*1G	2*1G
Management Port	1*Console Port		
PoE Port	PoE af/at		
PoE Power	300W/400W	200W	120W
Switching Capacity	56 Gbps	40 Gbps	
Packet Forwarding Rate	41.66 Mpps	29.76 Mpps	
Power Supply	100-240V 50/60Hz		
Working Temperature	-10-55°C		
Management	L2 Managed		

Ethernet Switch



Model	HSGQ-SG2008P	HSGQ-SG1008P
Size	220*161*44.5mm	200*118*44mm
Copper	10*GE	
SFP Slots	2*1G	N/A
PoE Port	PoE af/at 1-8	
PoE Power	120W	
Switching Capacity	24 Gbps	20 Gbps
Packet Forwarding Rate	17.86 Mpps	14.88Mpps
Power Supply	AC 100-240 V 50-60Hz; Supply Power: 52V /2.3A	
Working Temperature	-10-55°C	
Management	L2 Managed	



Model	HSGQ-SG2024P	HSGQ-SG2016P	HSGQ-SG1005P
Size	320*207*44mm		200*118*44mm
Copper	26*GE	18*GE	6*GE
SFP Slots	2*1G (Combo)	2*1G	1*1G
PoE Port	PoE af/at 1-24	PoE af/at 1-16	PoE af/at 1-5
PoE Power	280W	180W	120W
Switching Capacity	56 Gbps	40 Gbps	12 Gbps
Packet Forwarding Rate	41.66 Mpps	29.76 Mpps	8.9 Mpps
Power Supply	AC 100-240 V 50-60Hz Supply Power: 52V /5.76A	AC 100-240 V 50-60Hz Supply Power: 52V /3.84A	AC 100-240 V 50-60Hz Supply Power: 52V 1.5A
Working Temperature	-10-55°C		
Management	L2 Managed		

FE PoE Switch»



Model	HSGQ-SFI024P	HSGQ-SFI016P
Size	320*207*45mm	268*181*44mm
Copper	24*FE+2*GE	16*FE
SFP Slots	1G	2*1G
PoE Port	PoE af/at 1-24	PoE af/at 1-16
PoE Power	280W	180W
Switching Capacity	10.8Gbps	7.2 Gbps
Packet Forwarding Rate	8.035Mpps	5.35Mpps
Power Supply	AC 100~240V 50/60Hz	
Working Temperature	-10-50°C	



Model	HSGQ-SFI008P	HSGQ-SFI006P
Size	200*118*44mm	268*181*44mm
PON Port	8*FE+2*FE	4*FE+2*FE
RJ45 Port	/	/
SFP+ Slots	PoE af/at 1-8	PoE af/at 1-4
Management Port	120W	120W
Power Supply	5.6Gbps	1.2Gbps
Redundancy Design	4.166Mpps	0.8928Mpps
L3 Feature	AC 100~240V 50/60Hz	
Working Temperature	-10-50°C	

Gigabit Ethernet Switch»



Model	HSGQ-SG124	HSGQ-SG116	HSGQ-SG1005D
Size	442mm*260mm*44mm		250mm*180mm*44mm
PON Port	8*PON Port		4*PON Port
RJ45 Port	4*GE RJ45		
SFP Slots	4*GE SFP Port	N/A	
SFP+ Slots	N/A	4*10G SFP+ Port	N/A
Management Port	1* NMS Port, 1*CONSOLE Port		
Power Supply	AC: 100-240V 50/60Hz DC: 48V DC		AC: 100-240V 50/60Hz or DC:48V
Redundancy Design	Support Double AC Input / Double DC Input / AC+DC Input		Single AC or DC Input
L3 Feature	Support Static Routing+Support DHCP		
Working Temperature	-10-60°C		



Model	HSGQ-SG108D	HSGQ-SG105D	HSGQ-SG1008D
Size	442mm*260mm*44mm		250mm*180mm*44mm
PON Port	8*PON Port		4*PON Port
RJ45 Port	4*GE RJ45		
SFP Slots	4*GE SFP Port	N/A	
SFP+ Slots	N/A	4*10G SFP+ Port	N/A
Management Port	1* NMS Port, 1*CONSOLE Port		
Power Supply	AC: 100-240V 50/60Hz DC: 48V DC		AC: 100-240V 50/60Hz or DC:48V
Redundancy Design	Support Double AC Input / Double DC Input / AC+DC Input		Single AC or DC Input
L3 Feature	Support Static Routing+Support DHCP		
Working Temperature	-10-60°C		

Fast Ethernet Switch



Model	HSGQ-SF1008D	HSGQ-SF1005D
Size	145*60*21.5mm	92*51*21.5mm
Copper	8*FE	5*FE
Switching Capacity	1.6 Gbps	1 Gbps
Packet Forwarding Rate	1.19 Mpps	0.75 Mpps
Power Supply	DC 5V 1A	
Working Temperature	-10-50℃	

WiFi 6 AX3000 ONU



HSGQ-X421AX			
Size	186mm*136mm*33.5mm	Button	Power ON/OFF Button, Reset Button
PON Port	1 EPON & GPON Mode Adaptive	Power Supply	12V 1.5A
RJ45 Port	4*GE RJ45	Power Interface Size	2.1mm/5.5mm
POTS	2 POTS	GPON Standard	ITU-T G.984
USB Port	1*USB Port	Transmission Distance	20Km Max
WiFi	2.4GHz : 574Mbps 5GHz: 2402Mbps	Working Temperature	0-60 °C

In-Wall ONU



Model	HSGQ-851	HSGQ-852	HSGQ-853	HSGQ-854
Size	85mm*85mm*32mm			
PON Port	1 EPON & GPON Mode Adaptive			
RJ45 Port	1*GE RJ45	2*GE RJ45	1*GE RJ45	
POTS	N/A		1 POTS	
Power Supply	AC: 220V-12V ; DC: 48V-12V			
WiFi	Not Support			2.4G WiFi: 300M
Transmission Distance	20Km Max			
Working Temperature	0-60℃			

2.5 GE ONU



Model	HSGQ-Z100	HSGQ-Z110
Size	132mm*83mm*30mm	
PON Port	1 EPON & GPON Mode Adaptive	
RJ45 Port	1*2.5G RJ45	1*2.5G RJ45; 1*GE RJ45
SFP+ Slots	N/A	
Management Port	Power ON/OFF Button	
Power Supply	DC 12V	
Redundancy Design	Not Support	
L3 Feature	20Km Max	
Working Temperature	0-60℃	

1 GE ONU



Model	HSGQ-X100DG	HSGQ-X101
Size	79mm*79mm*22mm	132mm*83mm*30mm
PON Port	1 EPON & GPON Mode Adaptive	
RJ45 Port	1*GE RJ45	
POTS	N/A	1 POTS
Button	Power ON/OFF Button	
Power Supply	DC 12V	
WiFi	Not Support	
Transmission Distance	20Km Max	
Working Temperature	0-60℃	



Model	HSGQ-X101W	HSGQ-X100W2
Size	140mm*90mm*30mm	132mm*83mm*30mm
PON Port	1 EPON & GPON	
RJ45 Port	1*GE RJ45	
POTS	1*POTS	N/A
Button	Power ON/OFF Button	
Power Supply	DC 12V 1A	
WiFi	2.4G WiFi: 300M	
Transmission Distance	20Km Max	
Working Temperature	0-60℃	

2 Port ONU



Model	HSGQ-X110	HSGQ-X111	HSGQ-X110W	HSGQ-X111W
Size	140mm*90mm*30mm			
PON Port	1 EPON & GPON Mode Adaptive			
RJ45 Port	1*GE RJ45; 1*100M RJ45			
POTS	N/A	1*POTS	N/A	1*POTS
CATV Port	N/A			
Button	Power ON/OFF Button			
Power Supply	DC 12V			
WiFi	Not Suport		2.4G WiFi: 300M	
Transmission Distance	20Km Max			
Working Temperature	0-60℃			



Model	HSGQ-X110WC	HSGQ-X111WC	HSGQ-X200DW	HSGQ-X210DW
Size	140mm*90mm*30mm		162mm*112mm*30mm	
PON Port	1 EPON & GPON Mode Adaptive			
RJ45 Port	1*GE RJ45; 1*100M RJ45			
POTS	N/A	1*POTS	N/A	1*POTS
CATV Port	1*CATV		N/A	
Button	Power ON/OFF Button			
Power Supply	DC 12V			
WiFi	2.4G WiFi: 300M		2.4G WiFi: 300M; 5G WiFi: 867M	
Transmission Distance	20Km Max			
Working Temperature	0-60℃			

4 Port ONU



Model	HSGQ-X130	HSGQ-X131	HSGQ-X130W
Size	140mm*90mm*30mm		
PON Port	1 EPON & GPON Mode Adaptive		
RJ45 Port	1*GE RJ45; 3*100M RJ45		
POTS	N/A	1*POTS	N/A
USB Port	N/A		
CATV Port	N/A		
Button	Power ON/OFF Button		
Power Supply	DC 12V 1A		
WiFi	Not Support		2.4G WiFi: 300M
Transmission Distance	20Km Max		
Working Temperature	0-60℃		



Model	HSGQ-XI3IWU	HSGQ-X400	HSGQ-X410
Size	140mm*90mm*30mm	166mm*112mm*30mm	
PON Port	1 EPON & GPON Mode Adaptive		
RJ45 Port	1*GE RJ45; 3*100M RJ45	4*GE RJ45	
POTS	1*POTS	N/A	
USB Port	1*USB Port	N/A	
CATV Port	N/A		1*POTS
Button	Power ON/OFF Button		
Power Supply	DC 12V 1A	DC 12V 1.5A	
WiFi	2.4G WiFi: 300M	Not Support	
Transmission Distance	20Km Max		
Working Temperature	0-60℃		

4 Port ONU



Model	HSGQ-X400DW	HSGQ-X410DW	HSGQ-X411DW
Size	162mm*112mm*30mm		
PON Port	1 EPON & GPON Mode Adaptive		
RJ45 Port	4*GE RJ45		
POTS	N/A	1*POTS	
USB Port	N/A		1*USB Port
CATV Port	N/A		
Button	Power ON/OFF Button		
Power Supply	DC 12V 1.5A		
WiFi	2.4G WiFi: 300M; 5G WiFi: 867M		
Transmission Distance	20Km Max		
Working Temperature	0-60℃		



Model	HSGQ-X421DW	HSGQ-X411DWC	HSGQ-X400DWC
Size	160mm*112mm*30mm	195mm*135mm*35mm	160mm*110mm*25mm
PON Port	1 EPON & GPON Mode Adaptive		
RJ45 Port	4*GE RJ45		
POTS	2*POTS	1*POTS	N/A
USB Port	1*USB Port		N/A
CATV Port	N/A	1*CATV	
Button	Power ON/OFF Button		
Power Supply	DC 12V 1.5A		
WiFi	2.4G WiFi: 300M; 5G WiFi: 867M		
Transmission Distance	20Km Max		
Working Temperature	0-60℃		

Industrial ONU



Model	HSGQ-841	HSGQ-843	HSGQ-842	HSGQ-844
Size	145mm*105mm*25mm		200mm*135mm*40mm	
Power Supply	AC: 220V; External Power Supply		AC: 220V; Built-In Power Supply	
PON Port	1 EPON & GPON Mode Adaptive			
RJ45 Port	4*GE RJ45			
PoE Port	N/A	PoE af/at 1-4	N/A	PoE af/at 1-4
Transmission Distance	20Km Max			
Working Temperature	-40-75℃			



Model	HSGQ-810P	HSGQ-810	HSGQ-808AX
Size	280mm*75mm*40mm		340mm*210mm*44mm
PON Port	1 EPON & GPON Mode Adaptive		
RJ45 Port	8*GE PoE RJ45	8*GE RJ45	
PoE Port	PoE af/at 1-8	N/A	
PoE Power	120W	N/A	
POTS	N/A		8*POTS
SFP Slots	1*1.25G / 2.5G SFP		N/A
Management Port	1*CONSOLE / 1*AUX		
Power Supply	AC: 220V		
WiFi	Not Support		WiFi 6 AX3000
Transmission Distance	20Km Max		
Working Temperature	-20~70℃		

PON SFP



Model	HSGQ-PX20+++	HSGQ-C+++
Type	EPON OLT Module	GPON OLT Module
Continuous Mode	1490nm 1.25Gbps DFB Transmitter	1490nm 2.5Gbps DFB Transmitter
Burst Mode	1310nm 1.25Gbps APD Receiver	1310nm 1.25Gbps APD-TIA Receiver
Transmission Distance	20Km Max	
Working Temperature	0~70℃ or -40~85℃	

SFP Module



Model	SFP-1G-20LR-55B	SFP-10G-20LR-31	SFP28-25G-20LR-27A
Transmission Rate	155M/622M/1.25G/2.5G/3.125Gbps Optional	10.312Gbps	25.78Gbps
Center Wavelength	1270nm~1610nm	1270nm/1310nm/1330nm/1550nm/CWDM	1270nm/1310nm/DFB Laser PIN Photodetector
Transmission Distance	550m/2km/20km/40km/80km/100km/110km/120km	300m/2km/10km/20km/40km/80km/100km/110km	20Km Max
DDM/CWDM/DWDM	Support		
Working Temperature	0~70℃ or -40~85℃		

PON Stick



Model	HSGQ-XPON-Stick	HSGQ-XGSPON-Stick
Function	XPON Stick ONU	XGSPON Stick ONU
Package	SFP	SFP+
Rate	GPON: 1.25Gbps/2.5Gbps; EPON: 1.25Gbps/1.25Gbps	10Gbps/10Gbps
Mode	Single Mode	
Transmission Distance	20Km Max	
Wavelength	TX 1310nm; RX 1490nm	TX 1270nm; RX 1577nm

100M/1000 Media Converter



Model	HSGQ-S111-S20A/B	HSGQ-S111-S20
Ports	1×10/100 Mbps+1G SC	
Mode	Single mode single fiber	Single mode Dual Fiber
Wavelength	TX 1310nm; RX 1550nm	
Transmission Distance	20 km	
Power Supply	DC 5V	
MAC Address table	4K	
Operating Temperature	0°C ~ +70°C	

Router



Model	HSGQ-R3000	HSGQ-R1200
Size	442mm*260mm*44mm	
PON Port	4*PON Port	
RJ45 Port	4*GE RJ45	
SFP+ Slots	4*GE SFP+ Port	N/A
Management Port	N/A	4*10G SFP+ Port
Power Supply	AC: 100-240V 50/60Hz DC: 48V DC	
Redundancy Design	Support Double AC Input Double DC Input, AC+DC Input	



Model	HSGQ-S211-S20	HSGQ-S211-S20A/B	HSGQ-S211-S03A/B
Ports	1×10/100/1000 Mbps+1G SC		
Mode	Single mode Dual Fiber	Single mode single fiber	Single mode single fiber
Wavelength	TX 1310nm; RX 1550nm		
Transmission Distance	20 km		3km
Power Supply	DC 5V		
MAC Address table	4K		
Operating Temperature	0°C ~ +70°C		