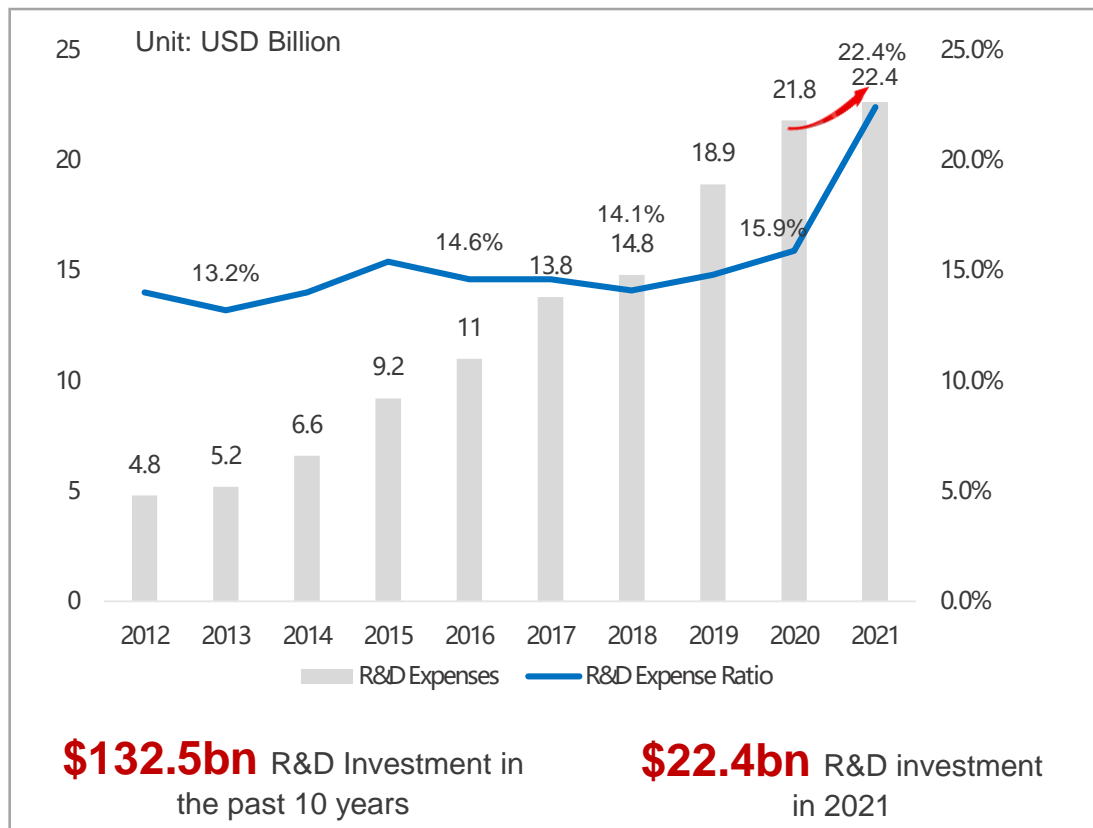




Huawei Enterprise ICT Solutions Introduction

Heavy & Persistent R&D Investment: Leading in the Industry

R&D Investment in 2021 Hits a 10-year High



Source: Huawei annual report, 2021

No.2 In Global Industrial R&D Investment

Ranking		R&D Spending (€ Bn)	CAGR	
2016	2020			
4	1	Alphabet	22.47	15.3%
8	2	HUAWEI	17.46	13%
5	3	Microsoft	16.88	9.7%
2	4	SAMSUNG	15.9	7.5%
11	5	Apple	15.28	13.3%
29	6	Meta	15.03	25.5%
1	7	Volkswagen	13.89	0.3%
7	8	Roche	11.25	4.2%
3	9	Intel	11.05	1.2%
9	10	Johnson & Johnson	9.91	6%
17	26	CISCO	5.17	-2%
35	41	ERICSSON	3.89	0.2%
25	44	NOKIA	3.84	-4.3%


Source: 12.2021, The 2021 EU Industrial R&D Investment Scoreboard

We are a Leading Global Provider of ICT Infrastructure and Smart Devices

Digital Power

<p>Site Power</p>  <p>No.1 35.6% MS</p>	<p>Prefabricated modular DC</p>  <p>No.1 for 7 years</p>
<p>Smart PV</p>  <p>No.1 for 6 years</p>	<p>Embedded Power</p>  <p>809Mn pcs delivered</p>


Intelligent Auto Solution

<p>US\$1.5 billion in R&D investment in 2022</p> <p>One of the fastest-growing intelligent EV brands</p>	<p>7,000 R&D personnel</p> <p>An intelligent, electric luxury SUV</p>
<p>AITO AITO M5</p> 	<p>AITO AITO M7</p>  <p>Jointly designed by SERES and Huawei</p>



Smart Devices

1	+	8	+	N
Mate Xs 2 Flagship		30%↑ Revenue of Watch + Earphone + IdeaHub		2000+ HarmonyOS Connect Partners

Connectivity Infrastructure

	MetaAAU		
+30% Coverage	+30% Throughput	-30% Energy Saving	

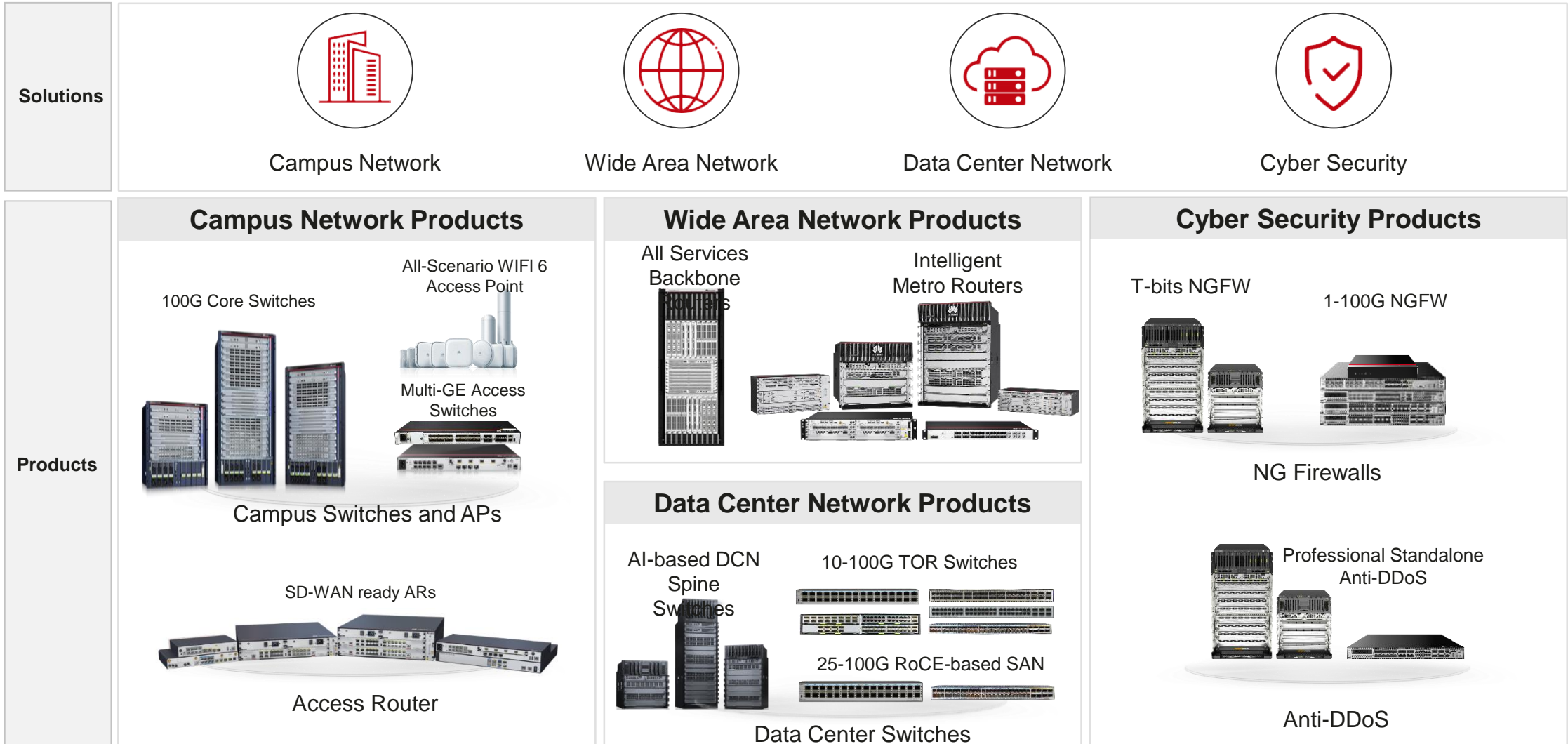
Cloud

No. 2 In China	NAs 59%	
No. 5 In Global	Sales 105%	
	3mn+ Developers	
	7,400+ partner applications	

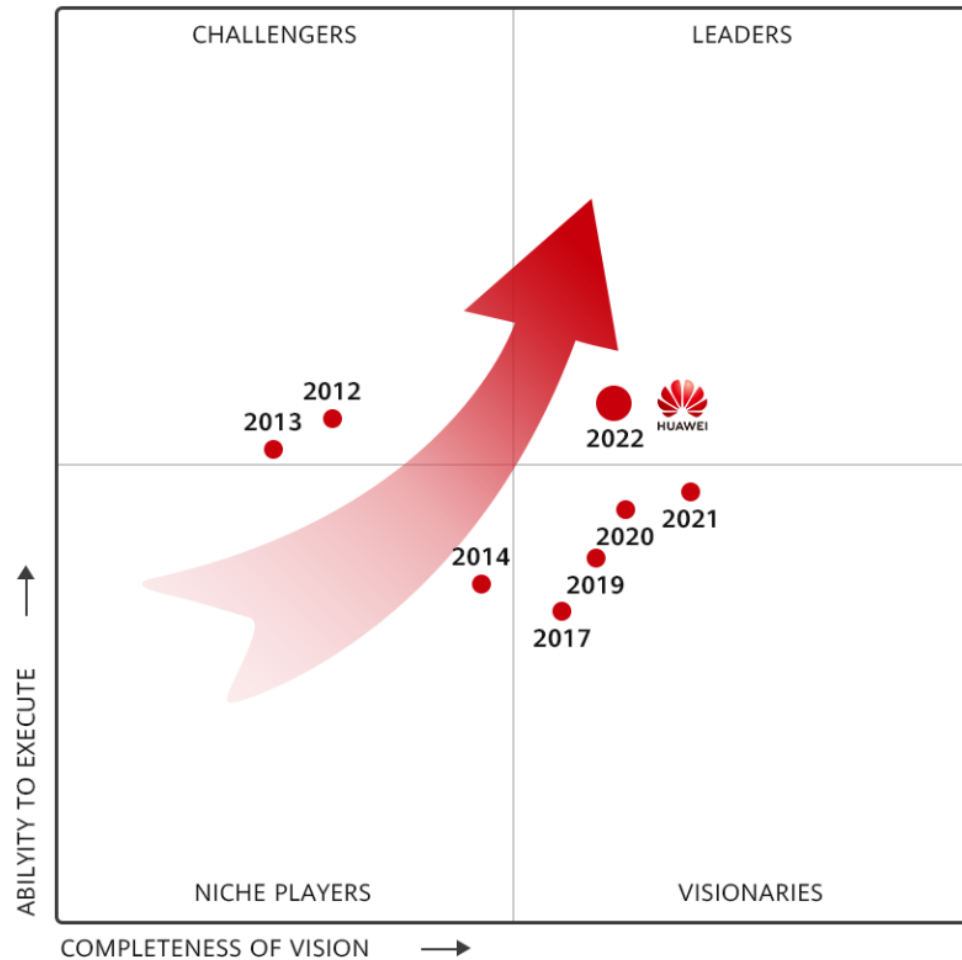
Huawei' World-leading Enterprise ICT Products & Solutions

<p>Device</p>  <p>CPE</p> <p>Industrial Equipment</p>  <p>IdeaHub</p>	<p>Government</p>  <p>Smart City</p> <p>Tax, Billing, Insurance</p>	<p>Finance</p>  <p>Smart Fin.</p> <p>Banks</p> <p>Stock</p>	<p>Energy</p>  <p>Interconnection</p> <p>Power</p> <p>Gas</p>	<p>Transport</p>  <p>Smart Trans.</p> <p>Railway</p> <p>Highway</p>	<p>Education</p>  <p>Interaction</p> <p>University Schools, Remote Edu</p>	<p>Health</p>  <p>AI analysis</p> <p>Telemedicine,</p>	<p>Manufacture</p>  <p>Flexible</p> <p>Manufacturing cell,</p>	<p>AI</p>  <p>Intelligent Edge Computing</p>  <p>Processors</p> <p>SDN</p>  <p>Data Center</p>  <p>iMaster NCE</p>
	<p>Data Center</p> <p>Storage No.1 Source: Gartner</p> 		<p>SDN DCN No.2 Source: IDC</p> 		<p>Security</p> 			
	<p>Network</p> <p>Wi-Fi No.3 Source: Gartner</p> 		<p>Campus No.2 Source: IDC</p> 		<p>Optical No.1 Source: OVUM</p> 		<p>IP Router No.1 Source: IHS</p> 	

Huawei Provides End-to-end Data Communication Portfolios



Wired and Wireless LAN: The Leader in the 2022 Gartner Magic Quadrant



Magic Quadrant™ for Enterprise Wired and Wireless LAN Infrastructure

Simplified O&M >>>>

L3.5 autonomous driving

Manual O&M □ Intelligent O&M

68% ↑

O&M efficiency

Simplified branch >>>>

One global network

Secure multi-cloud and multi-branch interconnections

100% ↑

cloud access efficiency

Simplified network >>>>

Hyper-converged architecture

IT/OT convergence
One network for workplace and production environments

Zero

production interruptions

Superior experience >>>>

Interruption-free video conference

Seamless access
X00 Mbps @ Anywhere

30% ↑

productivity

WLAN Differentiator 1: X00 Mbps @ Anywhere, Winning Every Test, Ideal for Office and Education Scenarios

Trends, pain points, and opportunities

Upgrade of Wi-Fi 4/5

Live-network installed based: 60/40 million
EOX in 2023: 16/8 million

Wireless Trend

Fully-wireless	Number of STAs per user	1	➔	2+
	Number of STAs/AP	30	➔	60
Audio and video preference	Application	80% data	➔	80% audio and video
	Single file transfer	100 MB	➔	1 GB
No speed drop during movement	Office mode	Fixed PC	➔	Smartphones in mobility

Poor office experience

Huawei's unsmooth conferences in 2021: 230,000

Separated networks and applications, **poor VIP user experience**

ByteDance

60%+ channel utilization for long time
Poor experience in video conference

X00 Mbps @ Anywhere: consistent experience



AirEngine
Entry-level and mid-range

100 Mbps @ Anywhere – Commercial

30 channels of HD video conferences without frame freezing
Typical scenario: **100 Mbps** anytime anywhere + 8-channel HD conference



AirEngine
Mid-range and high-end

200 Mbps @ Anywhere – N/A

50 channels of HD video conferences without frame freezing
Typical scenario: **200 Mbps** anytime anywhere + 8-channel HD conference



AirEngine 8771-X1T
Wi-Fi 7 AP

500 Mbps @ Anywhere – N/A

120 channels of HD video conferences without frame freezing
Typical scenario: **500 Mbps** anytime anywhere + 30-channel HD conference



Large enterprise



Education



Commercial

Consistent experience regardless of access density, loads, or movement

Ultra-high-density access

30/50/120 channels

Vs. **25/30/80 channels** (other vendors)

OFDMA + MU-MIMO joint scheduling 2.0
Air-interface traffic pre-aggregation
Coordinated Spatial Reuse (CoSR)

Audio and video assurance

HD conference + **100/200/500** Mbps anytime anywhere

Vs. **30/40/100 Mbps** (other vendors)

Intelligent multimedia scheduling 2.0
Intelligent scenario identification and network self-optimization

Seamless coverage and roaming

No compromise of roaming bandwidth
vs. **50% decrease** in roaming bandwidth (other vendors)

AI-based network planning
Dynamic-zoom smart antennas
AI roaming

WLAN Differentiator 2: Distributed Wi-Fi, Zero Roaming for 64 Rooms, Zero Service Interruption in Healthcare Scenarios

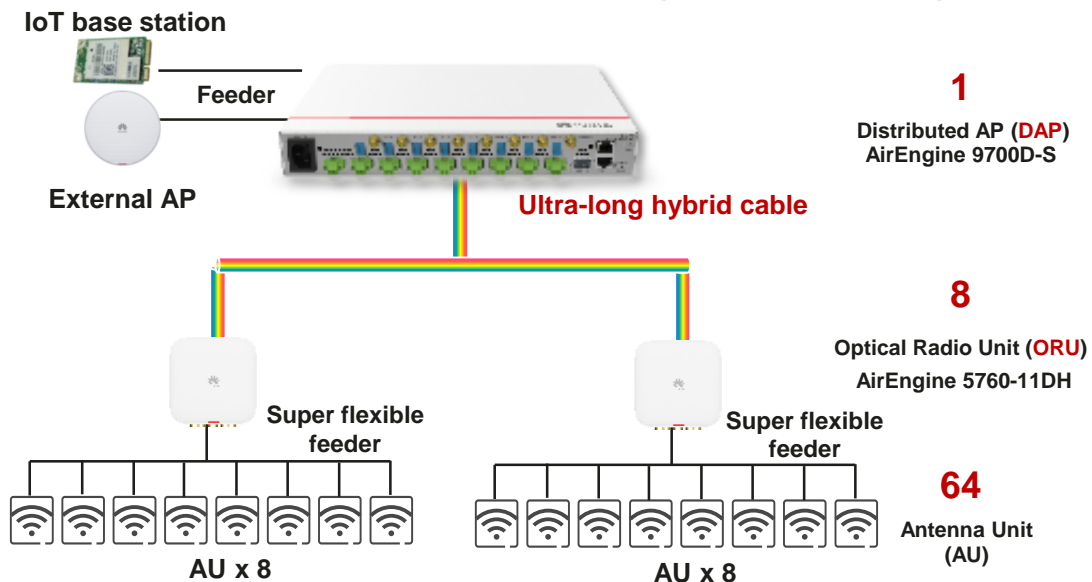
Pain points



Pain points in healthcare network scenarios

- **Roaming packet loss:** Slow response of PDA-based barcode scanning, resulting in low efficiency of nurses
- **Low bandwidth:** Long-time waiting for querying PACS images during mobile ward-round of doctors
- **Separate deployment of intranet and extranet:** high deployment and O&M costs

Distributed Wi-Fi: wide coverage, zero roaming



Coverage for 64 rooms
Ultra-long hybrid cable, 500 m deployment
All RUs on the same channel, zero roaming and zero packet loss



Healthcare

- To be deployed in:
- 301 Hospital
 - Zhejiang Provincial Hospital of Chinese Medicine

Product competitiveness

Zero roaming

Distributed architecture, **zero roaming**, **zero packet loss** for moving STAs

Wide coverage

Zero roaming for **64** rooms
500 m ultra-long hybrid cable
Cross-floor deployment

High bandwidth

8T8R multi-concurrency, 1.8 Gbps network bandwidth

Three-network convergence

Converged deployment for the intranet, extranet, and IoT network
60% ↓ TCO

No counterpart solution is available for vendors C and A.

WLAN Differentiator 3: Industry's First Enterprise-Class Wi-Fi 7, Creating a New Era of Ultimate Experience

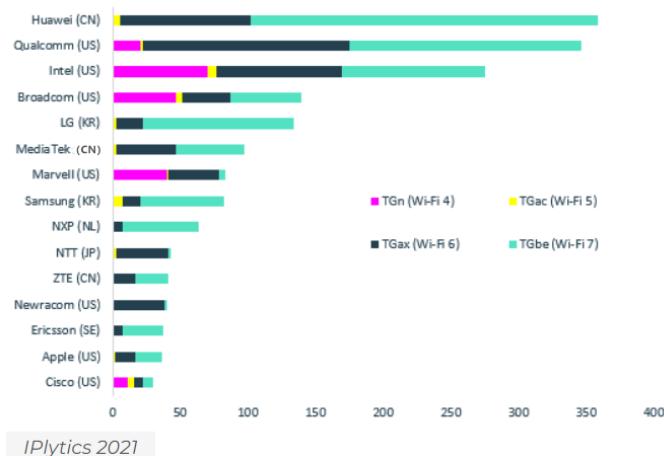
AirEngine 8771-X1T

AirEngine 8771-X1T



- 4 (2.4 GHz) + 4 (5 GHz) + 4 (5/6 GHz, switchable)
- Theoretical rate: 18.67 Gbps
- Ports: 2 x 10GE electrical + 1 x SPF+ (hybrid cable)

Wi-Fi 4 to Wi-Fi 7 standard contributions: **Top 1**



Enterprise office



Education

Product competitiveness

Huawei-only 500 Mbps @ Anywhere



120 channels of HD videos without frame freezing
Typical office scenario: 30-channel HD conference
+ **500** Mbps anytime anywhere

Superb performance

18.67 Gbps vs. 10.75 Gbps, twice the bandwidth of Wi-Fi 6
On-demand multi-radio switching



Super-strong signal

Third-generation dynamic-zoom smart antennas, 30% higher performance than the industry average



Ultra-low latency

Latency < 10 ms, no frame freezing in VR conferences



WLAN Differentiator 4: Cooperation with MSPs to Expand Sales Boundaries, Enable Partners, and Expand the Run-Rate

Two new products, stronger competitiveness, and ultimate cost-effectiveness



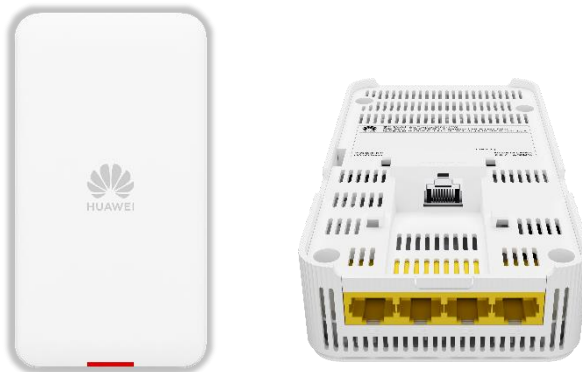
AirEngine 5762-10

Competitiveness

Ultra-fast **3000 Mbps**
vs. *No (vendor C/A)*

Smart antennas, **zero coverage holes**

180 mm, **compact and elegant**



AirEngine 5762-17W

Ultra-fast **3000 Mbps**
vs. *No (vendor C/A)*

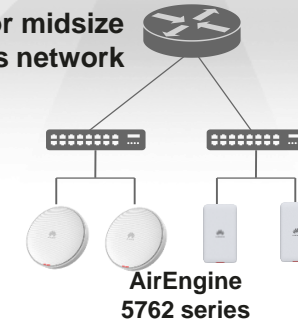
Smart antennas, **zero coverage holes**

Abundant ports

MSP cloud Wi-Fi as the breakthrough point to expand the sales boundary



Small or midsize campus network



AirEngine 5762 series

All-scenario coverage

AirEngine series APs
Fully-wireless continuous networking, no rate limit for applications, zero service interruption



Retail

All-cloud management

NCE-Campus
Exclusive automatic network provisioning and policy deployment covering LAN and WAN



Primary/Secondary education

All-intelligent O&M

CampusInsight
AI-powered user, network, and application experience assurance and fault self-healing
















Hotel



SME office

GTM of 6 New WLAN Models (3 Differentiators + 3 Cost-Effectiveness Models) with Assured Supply: Better Adapting to More Specific Scenarios

Wi-Fi 6 (802.11ax) indoor AP

 <p>AirEngine 8760-X1-PRO</p> <ul style="list-style-type: none"> Device rate: 10.75 Gbps NSS: 4+12/4+8+4 Built-in smart antennas BLE 5.0, two built-in IoT slots 2 x 10GE electrical + 10GE optical 	 <p>AirEngine 8761-X1</p> <ul style="list-style-type: none"> Device rate: 5.95 Gbps NSS: 4+8 Built-in smart antennas BLE 5.0, USB external IoT module 1 x 10GE electrical + 1 x GE electrical 	 <p>AirEngine 6760-X1</p> <ul style="list-style-type: none"> Device rate: 10.75 Gbps NSS: 4+8/4+4+4 Built-in smart antennas BLE 5.0, two built-in IoT slots 1 x 10GE electrical + 1 x GE electrical + 10G optical 	 <p>AirEngine 6760-X1E</p> <ul style="list-style-type: none"> Device rate: 10.75 Gbps NSS: 4+8/4+4+4 External antennas BLE 5.0, two built-in IoT slots 1 x 10GE electrical + 1 x GE electrical + 10G optical 	 <p>AirEngine 5760-51</p> <ul style="list-style-type: none"> Device rate: 5.95 Gbps NSS: 4+4/2+2+4 Built-in smart antennas BLE 5.0, two built-in IoT slots 1 x 5GE electrical + 1 x GE electrical 	 <p>AirEngine 6761-21T</p> <ul style="list-style-type: none"> Device rate: 6.58 Gbps NSS: 2+2+4 Built-in smart antennas BLE 5.0 1 x 2.5GE electrical + 1 x GE electrical 	
 <p>AirEngine 6761-21</p> <ul style="list-style-type: none"> Device rate: 3.55 Gbps NSS: 4+4 Built-in dynamic-zoom smart antennas BLE 5.0 1 x 2.5GE electrical + 1 x 10GE optical 	 <p>AirEngine 6761-21E</p> <ul style="list-style-type: none"> Device rate: 3.55 Gbps NSS: 4+4 External antennas BLE 5.0 1 x 2.5GE electrical + 1 x 10GE optical 	 <p>AirEngine 5761-21</p> <ul style="list-style-type: none"> Device rate: 5.38 Gbps NSS: 2+4 Built-in smart antennas BLE 5.0 1 x 2.5GE electrical + 1 x GE electrical 	 <p>AirEngine 5761-11</p> <ul style="list-style-type: none"> Device rate: 1.77 Gbps NSS: 2+2 Built-in smart antennas BLE 5.0 1 x GE electrical 	 <p>AirEngine 5762-12</p> <ul style="list-style-type: none"> Device rate: 2.98 Gbps NSS: 2+2 Built-in smart antennas BLE 5.0 1 x GE electrical 	 <p>AirEngine 5761-12</p> <ul style="list-style-type: none"> Device rate: 1.77 Gbps NSS: 2+2 Built-in smart antennas BLE 5.2, built-in dual IoT slots 2 x GE electrical 	 <p>AirEngine 5762-10</p> <ul style="list-style-type: none"> Device rate: 2.98 Gbps NSS: 2+2 Built-in smart antennas 1 x GE electrical

Wi-Fi 6 (802.11ax) outdoor AP

 <p>AirEngine 8760R-X1</p> <ul style="list-style-type: none"> Device rate: 10.75 Gbps NSS: 8+8/4+12 Built-in smart antennas BLE 5.0, PoE out 1 x 10GE electrical + 1 x GE electrical + 1 x 10G SFP+ 	 <p>AirEngine 8760R-X1E</p> <ul style="list-style-type: none"> Device rate: 10.75 Gbps NSS: 8+8/4+4+4 External antennas BLE 5.0, PoE out 1 x 10GE electrical + 1 x GE electrical + 1 x 10G SFP+
 <p>AirEngine 6760R-51</p> <ul style="list-style-type: none"> Device rate: 5.95 Gbps NSS: 4+4 Built-in smart antennas BLE 5.0 1 x 5GE electrical + 1 x GE electrical + 1 x 10G optical 	 <p>AirEngine 6760R-51E</p> <ul style="list-style-type: none"> Device rate: 5.95 Gbps NSS: 4+4 External antennas BLE 5.0 1 x 5GE electrical + 1 x GE electrical + 1 x 10 optical
 <p>AirEngine 5761R-11</p> <ul style="list-style-type: none"> Device rate: 1.775 Gbps NSS: 2+2 Built-in antennas BLE 5.0 1 x GE electrical + 1 x SFP 	 <p>AirEngine 5761R-11E</p> <ul style="list-style-type: none"> Device rate: 2.4 Gbps NSS: 2+2 External antennas BLE 5.0 1 x GE electrical + 1 x SFP

Wi-Fi 7 (802.11be) indoor AP

AirEngine 8771-X1T

- Device rate: 18.67 Gbps
- Spatial stream: 4+4+4
- Built-in dynamic-zoom smart antennas
- BLE 5.2
- 2 x 10GE electrical port + 1 x 10GE optical port

NEW
23/09 Differentiator








WAC



AC6805

- Forwarding performance: 120 Gbps
- Maximum number of manageable APs: 6K
- Maximum number of access STAs: 64K

Wi-Fi 6 (802.11ax) wall plate AP

 <p>AirEngine 5761-12W</p> <ul style="list-style-type: none"> Device rate: 1.77 Gbps NSS: 2+2 Built-in smart antennas BLE 5.0, PoE out Uplink: 1 x GE electrical port Downlink: 4 x GE + 2 x RJ45 pass-through 	 <p>AirEngine 5761-11W</p> <ul style="list-style-type: none"> Device rate: 1.77 Gbps NSS: 2+2 Built-in smart antennas BLE 5.0 Uplink: 1 x GE electrical port Downlink: 4 x GE + 2 x RJ45 pass-through 	 <p>AirEngine 5762-15HW</p> <ul style="list-style-type: none"> Device rate: 2.98 Gbps NSS: 2+2 Built-in smart antennas BLE 5.0 Upstream 1 x 2.5GE optical or GE hybrid port Downlink 4 x GE 	 <p>AirEngine 5762-13W</p> <ul style="list-style-type: none"> Device rate: 2.98 Gbps NSS: 2+2 Built-in smart antennas BLE 5.0 Uplink 1 x GE electrical Downlink 1 x GE electrical
 <p>AirEngine 5762-16W</p> <ul style="list-style-type: none"> Device rate: 2.98 Gbps NSS: 2+2 Built-in butterfly-pattern smart antennas BLE 5.1, IoT expansion via USB 1 x GE electrical 	 <p>AirEngine 5762-12SW</p> <ul style="list-style-type: none"> Device rate: 2.98 Gbps NSS: 2+2 Built-in smart antennas BLE 5.0 Uplink: 1 x GE electrical Downlink: 1 x GE electrical 	 <p>AirEngine 5762-17W</p> <ul style="list-style-type: none"> Device rate: 2.98 Gbps NSS: 2+2 Built-in smart antennas Uplink: 1 x GE electrical Downlink 4 x GE electrical 	<p>NEW 23/03 Cost-effectiveness</p>

Wi-Fi 6 (802.11ax) agile distributed AP

10GE central AP AirEngine 9700D-M1

- Forwarding performance: 40 Gbps
- Uplink: 4 x 10GE; downlink: 24 x GE
- Device management capability: 48 RUs
- Association of 4K STAs and concurrent access of 1K STAs

RU

AirEngine 5761-11WD

- Device rate: 1.77 Gbps
- NSS: 2+2
- Built-in smart antennas
- BLE 5.0
- Uplink: 1 x GE electrical; downlink: 4 x GE electrical + 2 x RJ45 pass-through

Wi-Fi 6 distributed Wi-Fi

DAP AirEngine 9700D-S

- Theoretical rate: 10.75 Gbps
- 8 x hybrid port
- 4 x Wi-Fi SAM + 4 x IoT SAM
- Uplink: 1 x 10GE optical + 2 x 2.5GE electrical

NEW
23/09 Differentiator

ORU

AirEngine 5760-11DH

- 8 x SMA

NEW
23/09 Cost-effectiveness

Wi-Fi 6 (802.11ax) scenario-specific AP

AirEngine 5761-11EI

- Device rate: 1.77 Gbps
- NSS: 2+2
- Intrinsically safe, wide temperature range: -40°C to +70°C
- 2 x GE electrical + 2 x GE optical

AirEngine 6760-51EI

- Device rate: 4.8 Gbps
- Spatial stream: 4
- External antennas
- 1 x 5GE electrical + 1 x GE electrical + 1 x 10GE optical

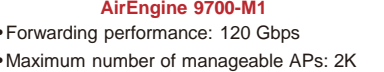
Wi-Fi 6 CPE

- Device rate: 2.98 Gbps
- NSS: 2+2
- External antennas
- 4 x GE electrical



AirEngine 9700-M1

- Forwarding performance: 120 Gbps
- Maximum number of manageable APs: 2K
- Maximum number of access users: 32K















AirEngine 9700-M1

- Forwarding performance: 120 Gbps
- Maximum number of manageable APs: 2K
- Maximum number of access users: 32K

AC6508

- Forwarding performance: 10 Gbps
- Maximum number of manageable APs: 512
- Maximum number of access users: 4K

Huawei Provides All-Optical Transmission Network Portfolios

<p>Solutions</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>ISP</p> </div> <div style="text-align: center;">  <p>Energy</p> </div> <div style="text-align: center;">  <p>Finance</p> </div> <div style="text-align: center;">  <p>Transportation</p> </div> <div style="text-align: center;">  <p>Government</p> </div> <div style="text-align: center;">  <p>Education</p> </div> </div>					
<p>Products</p>	<p>Backbone DWDM Products</p> <div style="text-align: center;">  <p>E9624: 10T Level Backbone DWDM MS-OTN Platform</p> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <p>E9612 / E9605: Super C All-optical Platform</p>	<p>Metro&Access DWDM Products</p> <div style="text-align: center;">  <p>E6616/E6608: Large-capacity MS-OTN Compact Equipment</p> </div> <div style="text-align: center;">  <p>E6608T : Ultra-integrated and simplified All-optical Platform</p> </div>	<p>Data Center Interconnect</p> <div style="text-align: center;">  <p>DC908: Ultra broadband / High Integration / Intelligence Date Center Interconnect Device</p> </div>			

Huawei End-to-End All-Optical Access Network Portfolio



ISP



Safe City



Electricity




Transportation




Education


Huawei All-Optical Access Network



EA5800 Series
First smart aggregation OLT with a distributed architecture in the industry




EA5801-GP08/GP16
Compact and low-density box-shaped OLT




EA5801s
10GPON ready outdoor compact blade OLT


OLT



SSC2802-TM-8 (8 ports) SSC2811-SM-9U (8 ports) SSC2811-SM-8 (8 ports)




Out-door



HUB BOX **SUB BOX**

Hubbox FDB2110SI-8M Subbox FDB2110SI-8




In-door

New generation ODN solution with pre-connect, visualization and manageability


Digital Quick-ODN

EN800 /EG800 /K500/W600 Series (Home ONT)
Full-scenario WiFi 6




EN8145X6 EG8145X6 EG8145V5 K562E EG8040H5

B800/B600 Series (Private-line CPE)
Enterprise Cloudification




B850G/B650G B610

P800E/P600E Series (POL ONU)
Full-specifications



P813E P812E P613E

T800E/T600E Series (Industrial ONU)
Dedicated for industrial , high reliability



OptiXstar S892E T863E PowerCube500 (T672E-150G1)

ONU/ONT

Intelligent Data Storage Portfolio

Data Management

Device Management



DeviceManager

Data Management Engine



DME

Intelligent O&M



eService

Intelligent Storage

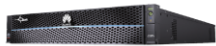
All-Flash Storage & Backup Storage



OceanStor Dorado
18000



OceanStor Dorado
8000

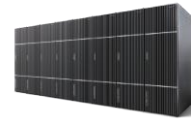


OceanStor Dorado
6000/5000/3000/2000



OceanProtect

Hybrid Flash Storage



OceanStor 18500/18800



OceanStor 6800



OceanStor
5300/5500/5600/5800



OceanStor
2600

Mass Data Storage



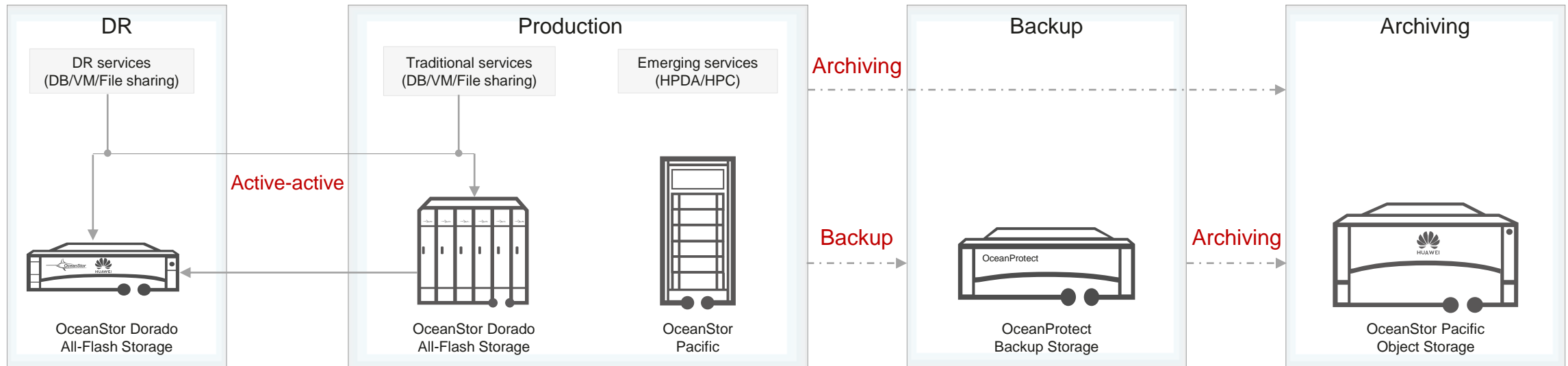
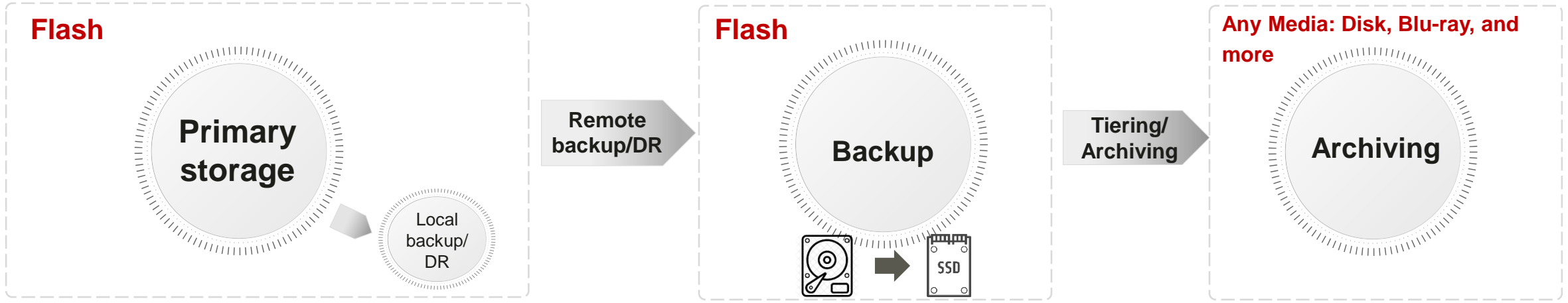
OceanStor Pacific Series



OceanStor 9000

Storage: the Foundation of Data Centers

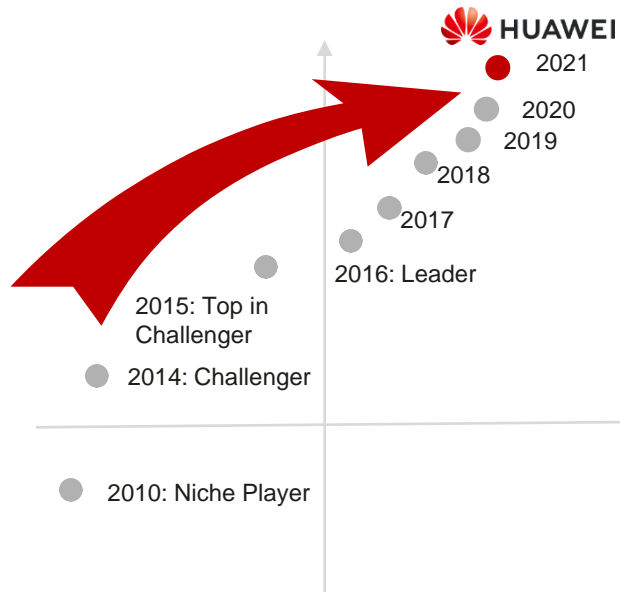
F2F2X: Flash To Flash To Anything



Primary Storage: OceanStor Dorado All-Flash Storage

Industry Position: Leader in Gartner's Magic Quadrant, No.3 in the Global Storage Market Share

Gartner Magic Quadrant: Leader (2016 - 2021)



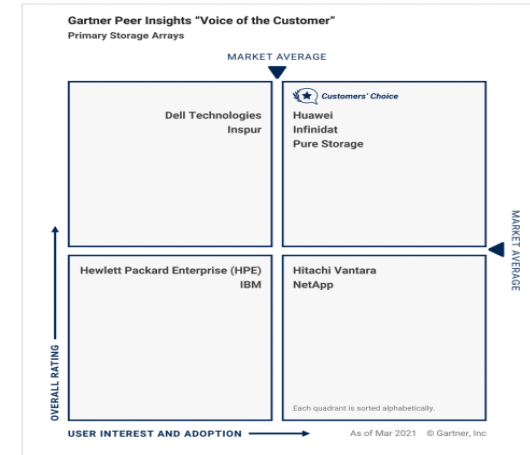
Interop Grand Prize The Server & Storage category



INTEROP A major event in global business technology that recognizes the most competitive products

Gartner Peer Insights Customers' Choice Top 1 primary storage vendor

Figure 1. Gartner Peer Insights "Voice of the Customer" Primary Storage Arrays



Source: Gartner (May 2021)

Gartner The world's most recognized IT research and consulting company that is considered as an authoritative source of objective technical thought leadership

Success stories

Government

Justiça Federal, Brazil
Federal Board of Revenue, Pakistan
Algerian Tax Authority

Global

Finance

Central Bank of Brazil
DBS Bank, Singapore
NCB, Saudi Arabia

Large enterprise

Sonatrach, Algeria
Yahoo, Japan
Saudi Aramco, Saudi Arabia

Government

Social Insurance Institution of Poland
Western Norway Regional Health Authority
Dutch Tax and Customs Administration

Europe


Finance

Widiba, Italy
İşbank, Turkey
Piraeus Bank, Greece

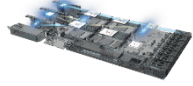
Large enterprise

Volkswagen, Germany
PSA Peugeot Citroën, France
Scania, Sweden


Cutting-Edge Solutions: Innovative E2E Acceleration Platform with the Highest Performance and Reliability of SAN & NAS in the Industry



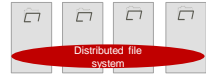
E2E acceleration for premium performance




Full-mesh architecture: the only series in the industry that tolerates failure of seven out of eight controllers → **Always-on services**



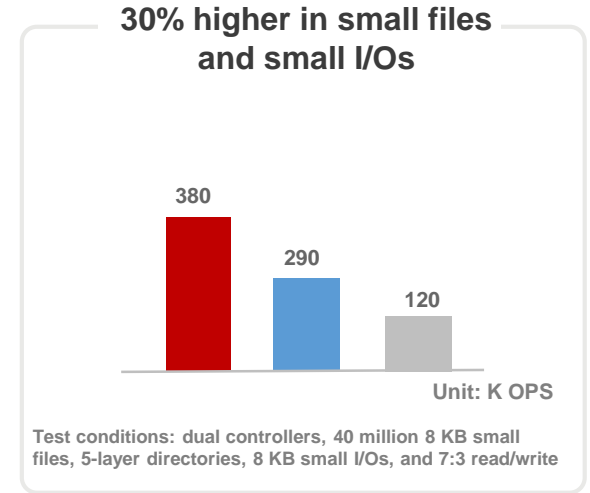
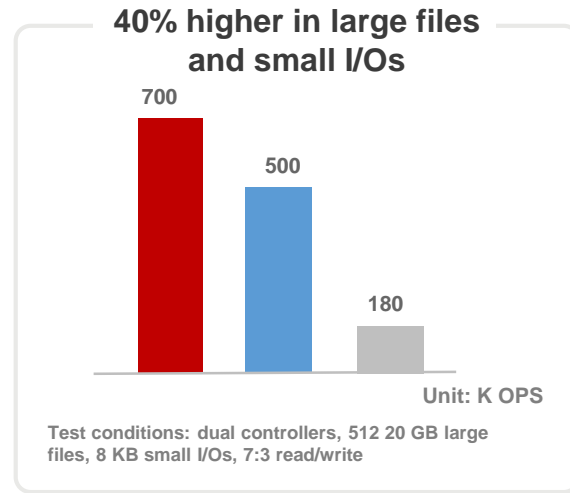
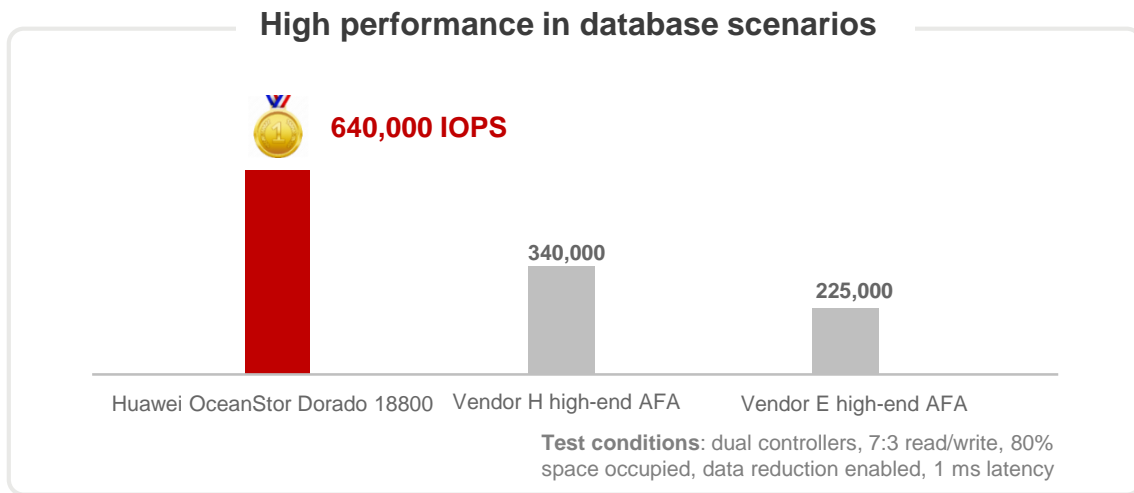
Efficient protocols: E2E NVMe provides high performance. → **50% lower access latency**



Distributed file system: Fully unleashes system capabilities. → **30% higher NAS performance**



Algorithm acceleration: Intelligent algorithms collaborate with SSDs and controllers to maximize flash performance. → **20x faster data reconstruction**



- OceanStor Dorado 18000
- Vendor N A800
- Vendor D F800

We respond to customers and partners quickly through Fast Track programs

Price : cost-effective

Select best-selling product models and set friendly prices based on customer requirements and historical prices to provide more discounts to customers and partners.

A comparison graphic showing Cisco on the left and Huawei on the right, separated by a 'VS' symbol. The Cisco side features the Cisco logo and the text '20% price increase'. The Huawei side features the Huawei logo and the text 'Promotion'.

Sharing profits with customers/partners

Lead time : fast delivery

Supply chain collaboration: Suppliers prepare selected products at the same time. Set a goods preparation baseline and implement rolling preparation of goods to shorten lead times.

A comparison graphic showing Cisco on the left and Huawei on the right, separated by a 'VS' symbol. The Cisco side features the Cisco logo and the text '12-16 weeks' and 'Lead time during chip shortage'. The Huawei side features the Huawei logo and the text '6 weeks' and '2 weeks', with 'Normal lead time' and 'Lead time during promotion' written below.

Respond quickly and meet requirements

Marketing : win-win results

Cooperate with partners to increase the scope and influence of those programs to let them benefit more customers and partners.

Two promotional graphics for Huawei's Fast Track program. The left graphic is titled 'CHOOSE SPEED >>> ADD VALUE' and 'Delivery in 2 Weeks. Discounted prices.' It features a server rack and a fan. The right graphic is titled 'FAST TRACK EASY GET >>>' and 'DELIVERED IN 2-6 WEEKS'. It features a colorful starburst graphic and images of product bundles labeled 'Core Bundle', 'Light Bundle', and 'Visit Bundle'.

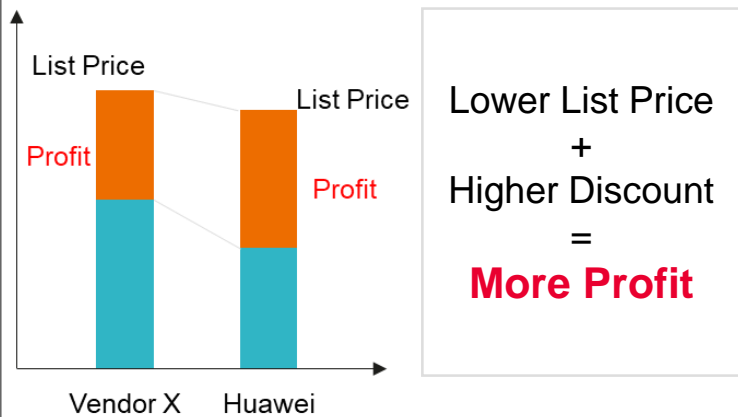
Expand the influence for win-win results

Fast Track 3.0 Key Message

Theme

Key Value

More Profit



Benefits

Based on 74 off from the main vendor.

- When less than 50K order.
5000 EUR case. 900 EUR more profit.
50K order. **9K more profit.**
- When between 50K and 100K order.
5000 EUR case. 1100 EUR more profit.
100K order. 9K+11K = **20K more profit.**
- When more than 100K order.
5000 EUR case. 1250 EUR more profit.
200K order. 9K+11K+25K = **45K more profit.**

More Opportunity



8 Datacom Scenarios
+
4 POL Scenarios
=
More Opportunity



Hotel / Hospital

- Multi-Service in 1 network
- Optimal Cost



School & Dormitory

- Flattened Architecture
- Fewer Nodes, Fewer Faults
- Simplified O&M



Office Campus

- From Copper Cabling to Optical Fibers + Wireless



Airport / Train Station

- Anti-Electromagnetic Interference
- Long-Distance Coverage

More Rapid



Building a Fully Connected, Intelligent World

Choose Speed
Light Up Every Home

Delivery in 4 Weeks **FAST TRACK FTTH**

Huawei FTTH Solution.
Building a Green Intelligent Gigabit Full-fiber Network



- **Place orders easier.**
FT quotation in UniStar SCT directly. Place order without special approval.
- **Implementation management easier.**
CloudCampus APP configuration, Cloud management. No high-tech engineer is required.
- **Financing turnover faster.**
2 weeks Datacom delivery and **4 weeks** FTTH delivery.

Education: Smart Classroom

Fiber-to-the-desktop, Fan-Free and Quiet Design, and Interactive Teaching Anytime, Anywhere, Simplifying Learning



Hybrid teaching has become a new post-pandemic normal.

An average of 35 students in small classes can enjoy interactive teaching anytime anywhere.

- Students can watch **MOOC** or YouTube videos at **4 Mbps**, without frame freezing.
- **Real-time online services**: courseware (1 GB) can be downloaded within **only 10s**.



Wi-Fi 6

IMaster NCE

CloudEngine



Wired terminal: whiteboard, computer, central controller, etc.

Benefits

Wi-Fi 6 AP

- **4 Mbps/user**, **35** users in 1 classroom
- Device rate: 6.575 Gbps
- Smart antenna: coverage improved by 20%

Classroom Switch

- **Fiber**-to-the-desktop
- Fan-free design, natural heat dissipation, and super quietness
- Typical power consumption: **< 8 W**





Product	Device Type	Remarks
Remote Unit	CloudEngine S5731-L-RU	Planning and configuration-free
	AirEngine Wi-Fi 6 AP	Built-in Smart Antenna
Access Switch	S5735-S/L-V2(PoE model)	PoE+/PoE++ for PD(AP,IPC)
Core Switch	S6730-H24X6C	

Healthcare IoT

Built-in IoT Card and Wi-Fi & IoT Convergence, Making Medical Services More Efficient

Multi-network convergence, improving healthcare service efficiency

- IoT is a must-have for smart hospitals, with a CAGR of 20% from 2020 to 2025.
- Independent construction of multiple networks results in high costs, poor signals, and difficult maintenance.

 Special wristband
 Body temperature sticker



Real-time monitoring of vital signs








Infant protection

Mobile ward rounds






Scanner

Asset tag



management




IV monitoring




Patient wristband





Personnel positioning

IoT-Converged AP

- **4-in-1**, supporting IoT modules and USB port for healthcare IoT expansion
- **Zero** interference thanks to RF coordination and channel avoidance



IoT module

 +
  +
  +
 

Wi-Fi 6 Bluetooth RFID ZigBee

Product	Device Type	Remarks
Wi-Fi 6 AP	AirEngine5761-11/12	General indoor coverage
	AirEngine5761-11W/12W	Wi-Fi coverage in the ward
	AirEngine6761-21T	High-density scenario
Access switch	S5735-S-V2	Dual PS, 48*PoE+
Aggregation/Core	S6730-H	Native AC

Fully-Wireless Smart Retail

Fully-Wireless Coverage and Guaranteed Key Services Enable Digital Operations and Improve Store Efficiency

Retail price updates

Paper price updates once or twice per day, requiring 5 to 10 employees and taking 1 hour

Warehousing

Frequent AGV suspensions due to poor Wi-Fi roaming

Scanner-based stocktaking

Frequent disconnections due to discontinuous Wi-Fi coverage

Branch interconnection

Lack of network assurance for key services

Electronic shelf label (ESL)



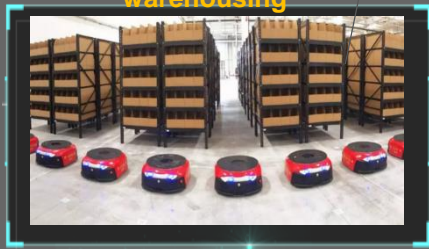
Wi-Fi and IoT convergence: fast ESL updates in 1 minute

Stocktaking



Wi-Fi access for scanners: fast stocktaking by 1 employee in just 2 hours *

AGVs @ automated warehousing



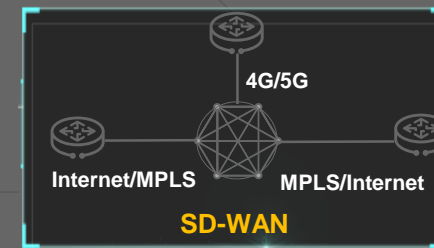
300 concurrent AGVs in 1000 m²
AGV speed: 5 m/s

Warehousing
Wi-Fi 6 AP

IoT-converged
Wi-Fi 6 AP

Hyper-converged
egress router

Branch
interconnection



SD-WAN dual-link intelligent traffic steering for assured key services

ESL & Stocktaking

- Built-in dual PCIe slots for IoT cards, **flexible IoT expansion**
- Smart antenna, achieving **zero wireless coverage** hole and improving the coverage range **by 20%**

AGVs @ Automated Warehousing

- Triple-radio design, 40 terminals per AP, high-density access**
- Lossless roaming, AGV operations at **full speed, zero service interruptions**

Branch Gateway

- Hybrid uplinks: **cabling-free 4G/5G for remote areas**
- 3-in-1**: integrating switching, routing, and security

Product	Device Type	Remarks
Wi-Fi 6 AP	AirEngine 5761-12	PCIe for IoT Application
	AirEngine 5761-11/21	Economical AP
Access Switch	S5735-S/L-V2(PoE model)	PoE+/PoE++ for PD(AP,IPC)
Access Router	NetEngine AR651	

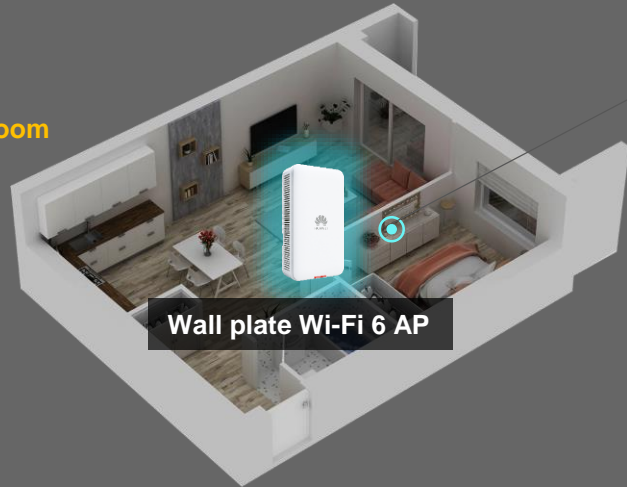
Fully-Wireless Digital Hotels

Fully-Wireless Coverage, High-Speed Internet Surfing, and Ultimate Customer Satisfaction

89% of guests choose hotels based on Wi-Fi experience

90% of hotels prefer ubiquitous Wi-Fi coverage

Guest room

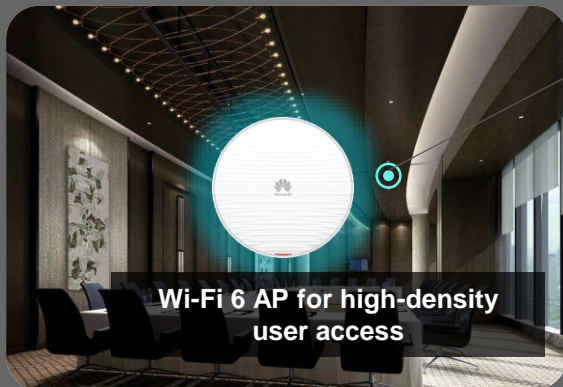


Wall plate Wi-Fi 6 AP



No wireless coverage holes
Superfast video download in seconds
AP speed (with only one terminal): **945 Mbps**

Conference room



Wi-Fi 6 AP for high-density user access



High-density wireless access, assured conference experience
250 users per AP, **> 4 Mbps** bandwidth per user

Wall Plate Wi-Fi 6 AP

- Smart antennas: **20%** greater coverage range, 1 AP for a 40 m² room
- PoE+ support, **ensuring power supply to downstream IP phones**

Wi-Fi 6 AP for High-Density User Access

- Triple-radio design: **6.75 Gbps** rate*, 4K HD video, 250+ concurrent users supported
- Intelligent multimedia scheduling: **interruption-free** audio and video services

Product	Device Type	Remarks
Wi-Fi 6 AP	AirEngine5761-11/21	Corridor coverage
	AirEngine5761-11W/12W	Guestroom Panel AP Coverage
	AirEngine 6760R-51	Resort Outdoor Coverage
Access switch	S5731-S M-GE(PoE model)	90W Poe++, 1/2.5/5/10Gbps
Aggregation/Core	S6730-H	Native AC

Fully-Wireless, Intelligent Manufacturing Network

Equipment on the Production Line Goes Wireless, Creating 12 More Days of Production Per Year



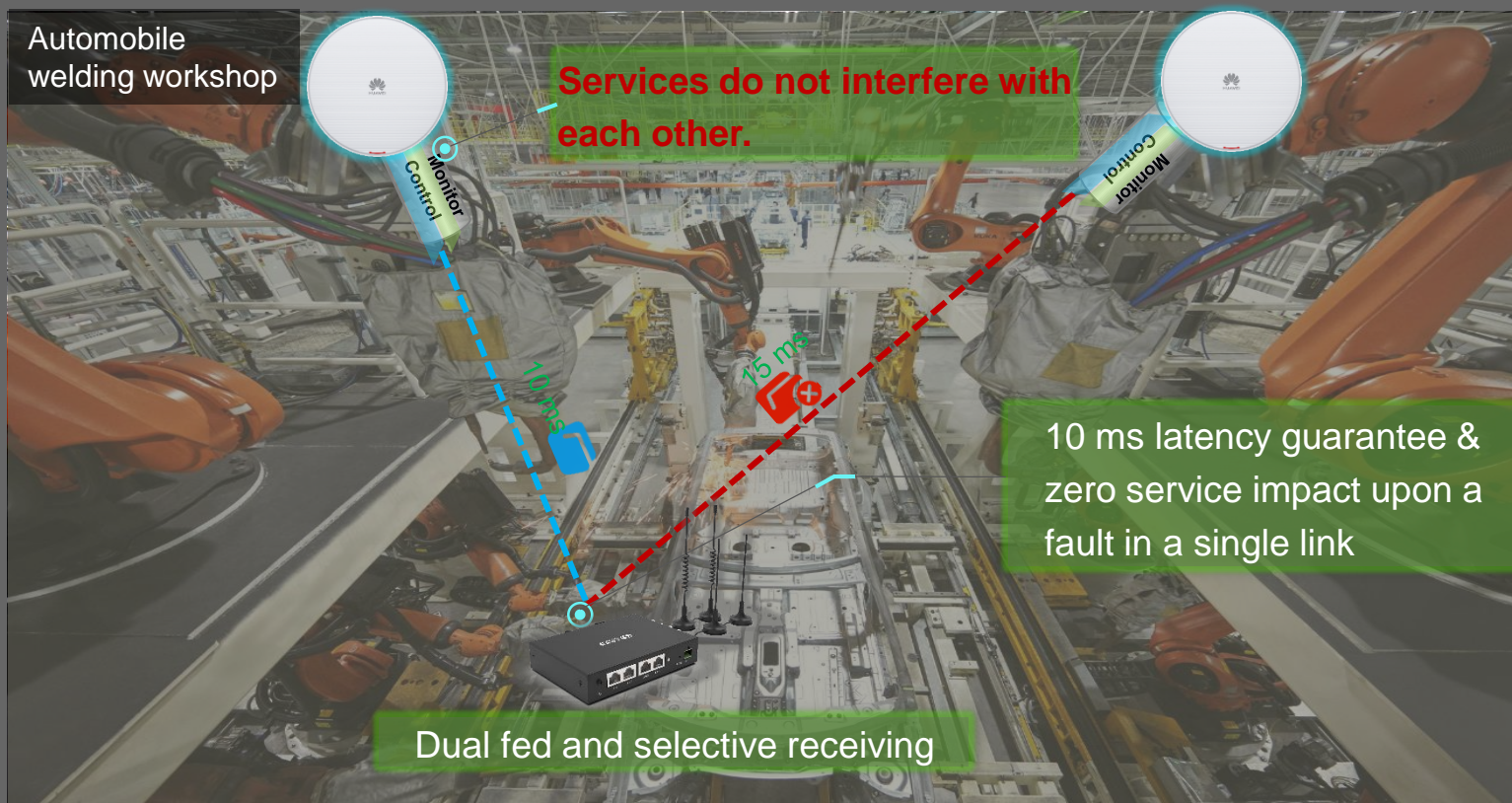
Long wired cables are **easily damaged** due to frequent movement, resulting in unplanned downtime of **30 to 60 min per cable, per month.**



Replacing a large number of long wired cables incurs high labor and material costs: **US\$150 to US\$300 per cable, per month.**

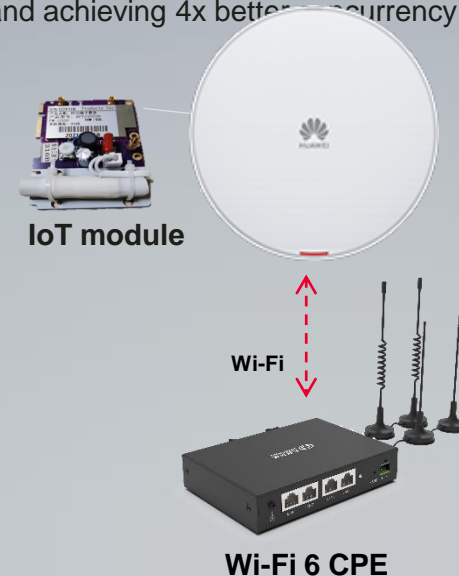


In a typical welding workshop with about 500 robotic welding torches, the cable replacement expenses are over **US\$1.8M/year.**



Wi-Fi 6 CPE & AP

- **Air interface slicing:** bandwidth reservation and fixed latency capabilities for specific services through dedicated slicing queues
- **Dual fed and selective receiving:** Redundant links and the "first come, first served" policy optimize packet loss and latency during transmission.
- **Wi-Fi 6 CPE:** unique in the industry, 10 ms E2E latency, meeting factory automation requirements and achieving 4x better accuracy than Wi-Fi 5



Product	Device Type	Remarks
Wi-Fi 6 AP	AirEngine 6761-21/21T	Built-in Smart Antenna
	AirEngine Wi-Fi 6 CPE	
Access switch	S5735-S/L-V2(PoE model)	24/48*GE PoE+ ports
Aggregation/Core	S6730-H(Optical Model)	

POL Accelerating Digital Education

Challenges

- Cloud education and E-learning demand reliable networks that can support large bandwidths and smooth volution.
- Campuses require full Wi-Fi coverage, uniform wired/wireless authentication, and seamless roaming.
- Campuses need cloud desktops, uniform bearing for multi-service, and simplified network planning, cabling, and O&M.

Classroom/Offices



Accommodation



Safe Campus



Solution Highlights

- **100Mbps @ Everywhere.** Wi-Fi6 powered by full fiber backhaul for 100M connection.
- **1 Terminal @ 1 Room.** All-in-one CPE: Integrates with POTS, HSI, CCTV, Wi-Fi.
- **1 Day Service Ready.** Terminal Plug-and-Play, one-click service provisioning.

PoE ONU



Wi-Fi 6 ONU



Product	Model	Remark
OLT	EA5801-GP04	4*GPON port
ONU	W626E	4*GE+1*POTS+2.4G/5 G Wi-Fi 6+1USB
	P612E	4*GE(PoE/PoE+)
Switch	S5731-H24T4XC	24*GE

POL Provides Simple, Reliable & Flexible Hotel Networks

Challenges

- Multiple cables per room. The deployment is complex, incurring many fault points.
- Overlapped networks cause increasing maintenance costs and difficult transformation.
- The power consumption of many devices and air conditioners is high, resulting in high OPEX.

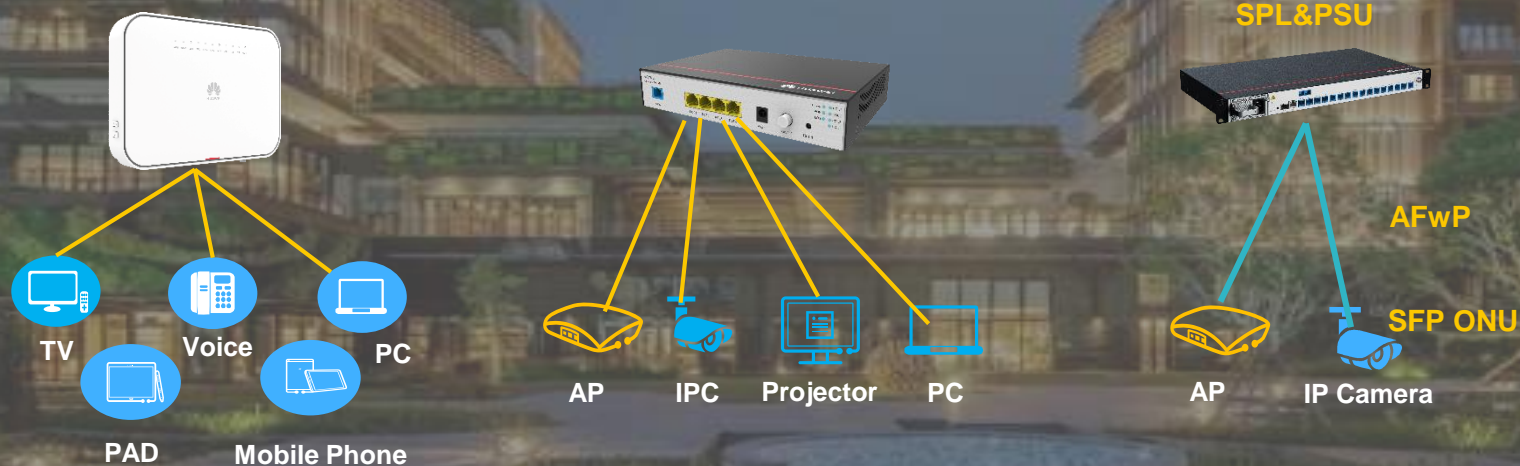
Guest Room



Office/Meeting Room



Public Area/Lobby



Solution Highlights

- **Best TCO.** ~30% CAPEX & OPEX Saving.
- **1 Fiber for 1 Room.** Smart hotel service: POTS, HSI, CCTV, Wi-Fi, RCU.
- **Wi-Fi "0" Interruption.** Wi-Fi 6 L2 / L3 seamless roaming, the best experience.

PSU

(Power Supply Unit)



AFwP

(Advanced Fiber with Power)



SFP ONU



Product	Model	Remark
OLT	EA5801-GP04	4*GPON port
ONU	W626E	4*GE+1*POTS+2.4G/5G Wi-Fi 6+1USB
	P612E	4*GE(PoE/PoE+)
Switch	S5731-H24T4XC	24*GE

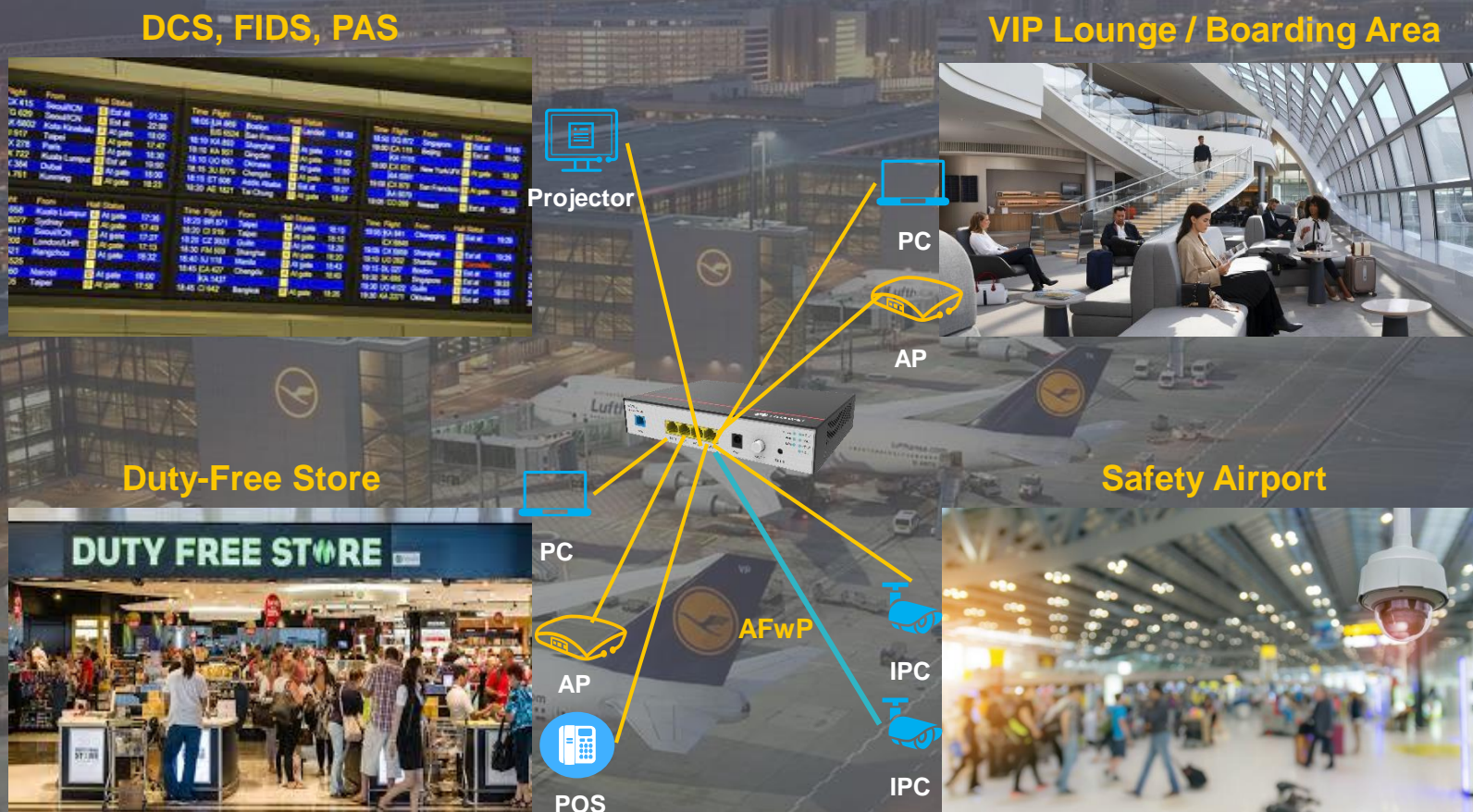
POL Improves Airports Service and Experience

Challenges

- Complex network management.
- Service security control.
- Slow provisioning of new services.
- Long-distance coverage.
- Outdoor scenarios.

Solution Highlights

- **Up to 40km Coverage**, Reduces 80% ELV equipment room. Improves deployment efficiency by 60%.
- **Ultimate Wi-Fi Experience**, Wi-Fi 6 100M anywhere, high concurrency, and VIP user experience assurance.
- **Smart O&M**, Visualized full journey experience of each client at every moment.



Industry ONU



Outdoor ONU (integrated site)



Product	Model	Remark
OLT	EA5800-X2	32*GPON port
ONU	W626E	4*GE+1*POTS+2.4G/5G Wi-Fi 6+1USB
	T863E	Outdoor ONU
	P612E	4*GE(PoE/PoE+)
Switch	S5731-H24T4XC	24*GE

K562, Extend Wi-Fi Coverage for Home network



Huawei OptiXstar K562 is a **dual-band edge ONT** that supports gigabit access over both **Wi-Fi 6** and Ethernet gigabit network ports.

- ✓ Embedded AI (eAI) acceleration for value-added services, such as online games, online education, and teleconference
- ✓ Next-generation Wi-Fi 6 MU-MIMO technology
- ✓ VR/4K over Wi-Fi
- ✓ 160 MHz channel width
- ✓ Strong anti-interference capability, wide coverage, and network self-healing
- ✓ One-click pairing and automatic networking
- ✓ Ethernet port auto-sensing for LAN or WAN mode
- ✓ Mesh network (tree type)
- ✓ Remote management, installation and maintenance APP management, and user APP management

Distribution Scenario



OptiXstar K562

Wi-Fi 6 Edge ONT

Interface	NNI: Wi-Fi or GE UNI: <ul style="list-style-type: none">● Wi-Fi uplink: 3GE + 2.4GHz&5GHz Wi-Fi 6● GE uplink: 2GE + 2.4GHz&5GHz Wi-Fi 6
Antenna type	6 internal antennas
Supported Protocol	IEEE 802.11 ax (2.4GHz&5GHz)
Others	WMM(Wi-Fi Multimedia); Beamforming; Band steering;1024-QAM, 160 MHz channel width, WPA3, and DL MU MIMO



MiniFTTO Solution Introduction and Target Scenarios

MiniFTTO Network



SME office

Number of users: 10-100
Building characteristics: single-floor or multi-floor, large open areas + multiple compartments
Typical users: SMEs in independent office buildings



Convenient Stores

Number of users: 20-100
Building characteristics: single-story building, dense population, and large burst traffic
Typical users: chain convenience stores and supermarkets



Warehouse

Number of users: 20-100
Building characteristics: single layer, dense personnel, and large burst traffic
Typical users: logistics warehouse, storerooms



Commercial Villa

Number of users: 5-30
Building characteristics: multi-floors + multi-rooms, dense personnel, and a large number of terminals
Typical users: medium and large villas, live video streaming



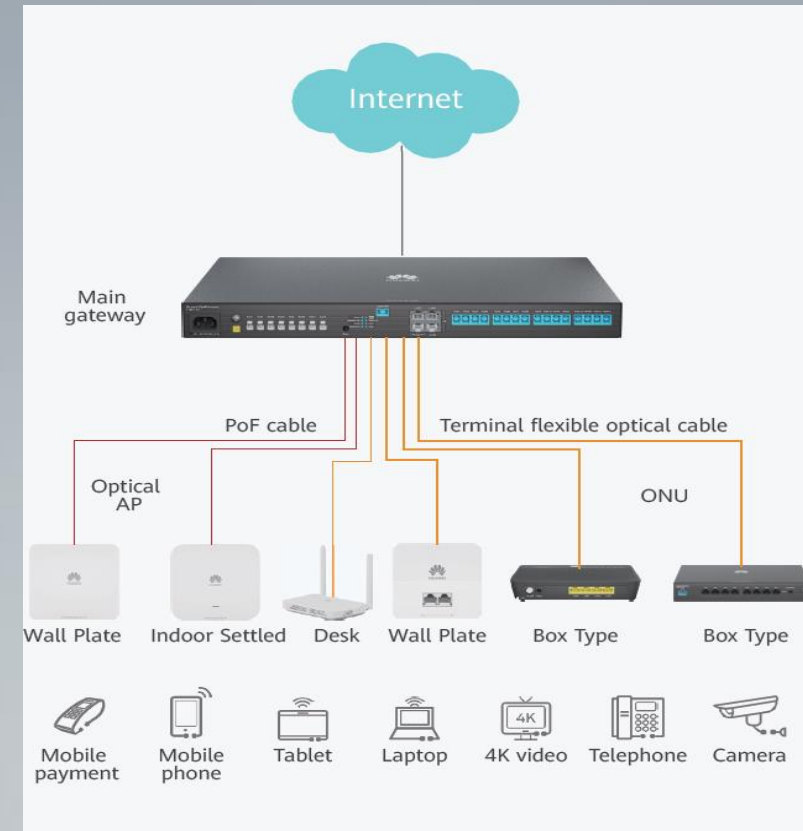
Express Hotel

Number of users: 20-100
Building characteristics: multi-store and multi-room, dense rooms, high requirements for real-time video backhaul
Typical users: E-sports hotels, Express hotels



Preschool Education

Number of users: 30-100
Building characteristics: 2-3 floors, no more than 10 rooms on each floor
Typical users: kindergartens, training institutions



Solution Value:

- ✓ Superior Experience
 - Seamless Roaming
 - High Concurrency
 - Large Bandwidth
- ✓ Simplified Deployment
 - Plug and Play
- ✓ Easy O&M
 - WebGUI Management, NMS free

Thank you.

把数字世界带入每个人、每个家庭、
每个组织，构建万物互联的智能世界。

Bring digital to every person, home and
organization for a fully connected,
intelligent world.

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