



Deliver Intelligent Networks

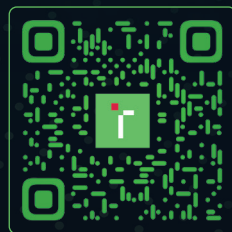
Link Your Success
with **Optimization,**
Reliability, and **AI.**

 **Lysora Cloud**
Monitor, configure, and
troubleshoot from anywhere.

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Deliver Intelligent Networks

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Lysora Product &
Solution Guide





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01

ABOUT LYSORA

U.S.-Owned. Locally Supported. Built for SMB Networks.

Lysora delivers cloud-managed networking solutions for SMB, security, and multi-site deployments across North America.

As a **U.S.-owned** networking brand with local support, Lysora helps partners deploy reliable networks with faster response, easier communication, and support that understands real-world project needs.

Our ecosystem includes routers, managed PoE switches, access points, wireless bridges, and a unified cloud platform designed to simplify deployment, management, and growth.



02

WHY LYSORA



**U.S.-Owned
Networking Brand**
Built for North American SMB,
security, and installer-driven
deployments.



**Local Technical
Support Team**
Responsive technical support
with faster communication and
regional expertise.



**NDAA-Compliant
Solutions**
Designed for compliance-sensitive
security and surveillance projects.



**Secure & Reliable Cloud
Infrastructure**
Hosted on AWS infrastructure for
enterprise-grade security,
reliability, and scalability.



**License-Free
Cloud Management**
No recurring cloud subscriptions
or controller hardware
requirements.



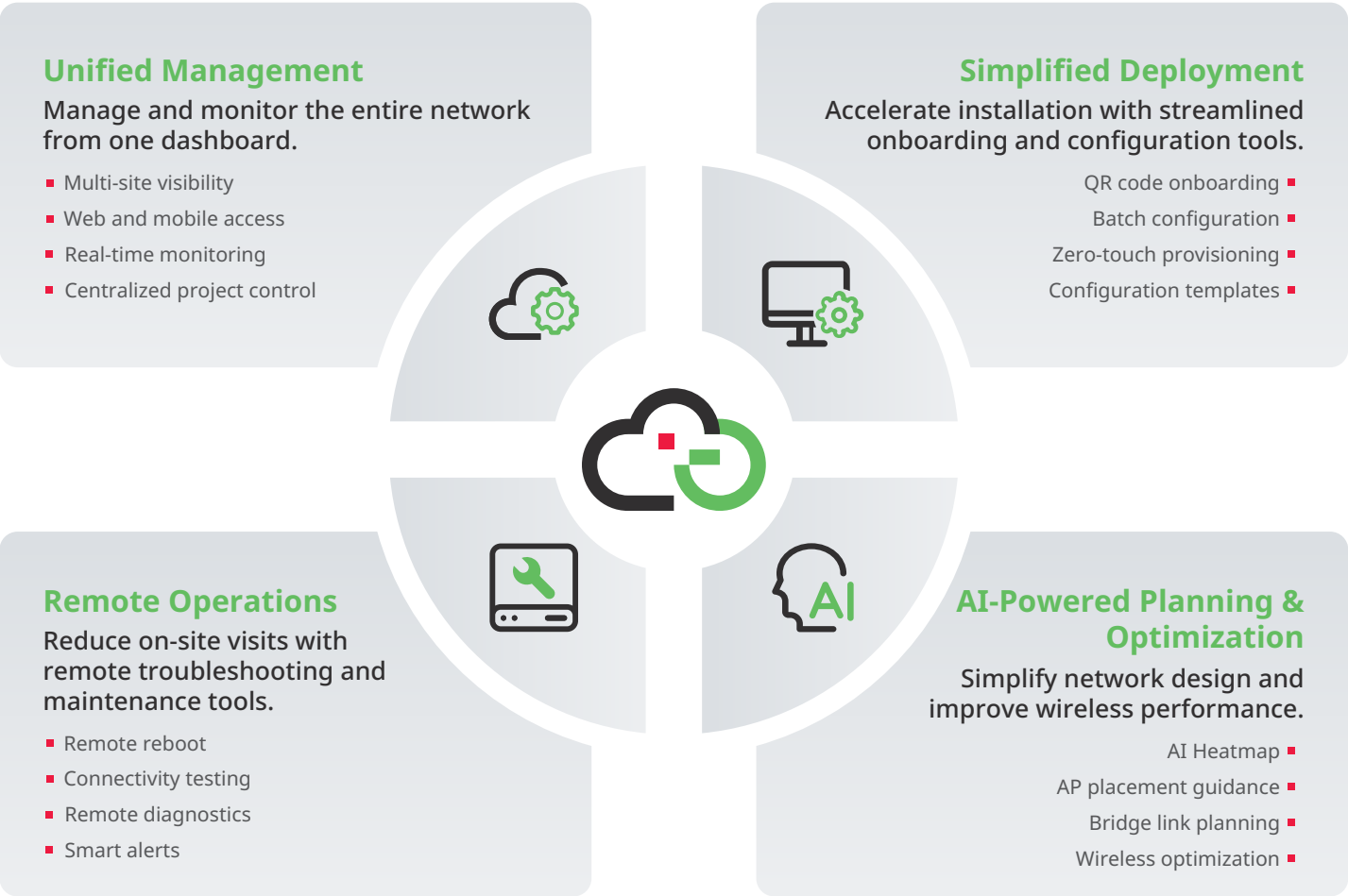
**3-Year Warranty
with 1-to-1 Replacement**
Minimize downtime with
dependable warranty coverage
and fast replacement support.

03

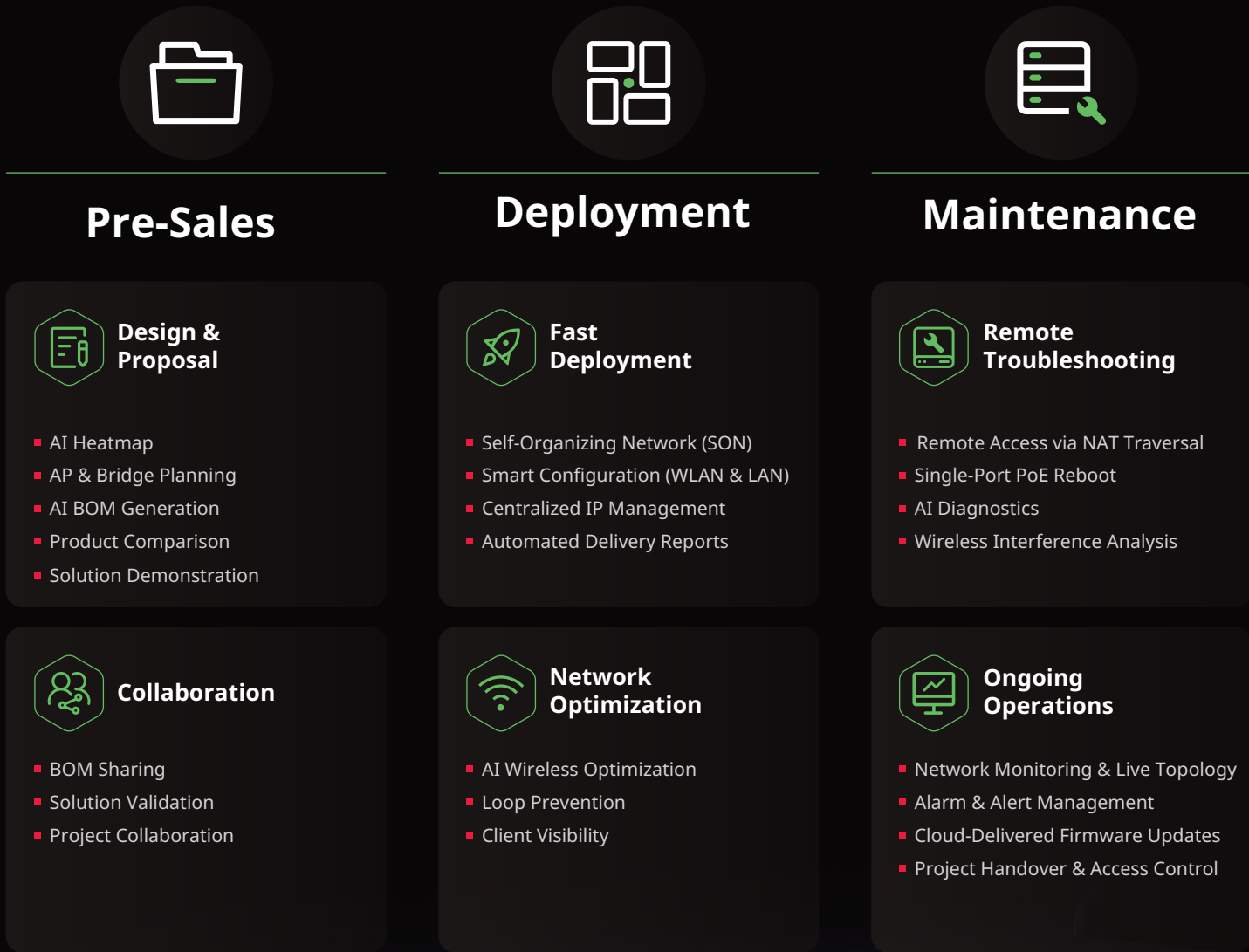
LYSORA CLOUD

Unified Cloud Management for Every Deployment

Manage routers, switches, access points, and wireless bridges through a single cloud platform.



Unified Cloud Management for Every Deployment



04 SOLUTION SCENARIOS



CCTV SECURITY NETWORKING SOLUTION

Challenges

- Long-distance connectivity across outdoor areas and multi-building environments
- Time-consuming troubleshooting and limited remote visibility
- Complex deployment and management across growing security sites

Lysora Solution

- Reliable connectivity across complex security environments
- Faster issue response and simplified maintenance
- Efficient deployment and scalable security expansion

SOLUTION CAPABILITIES

SON Auto-Configuration

Automatically connect and configure devices for faster deployment across large security projects.

Centralized Cloud Management

Manage routers, switches, APs, and bridges through one unified dashboard with full site visibility.

Simplified Wireless Bridge Deployment

Automatic bridge pairing speeds up outdoor CCTV backhaul and multi-building connectivity.

Per-Port Remote PoE Restart

Bring offline cameras back online remotely through individual port-level PoE control without site visits.

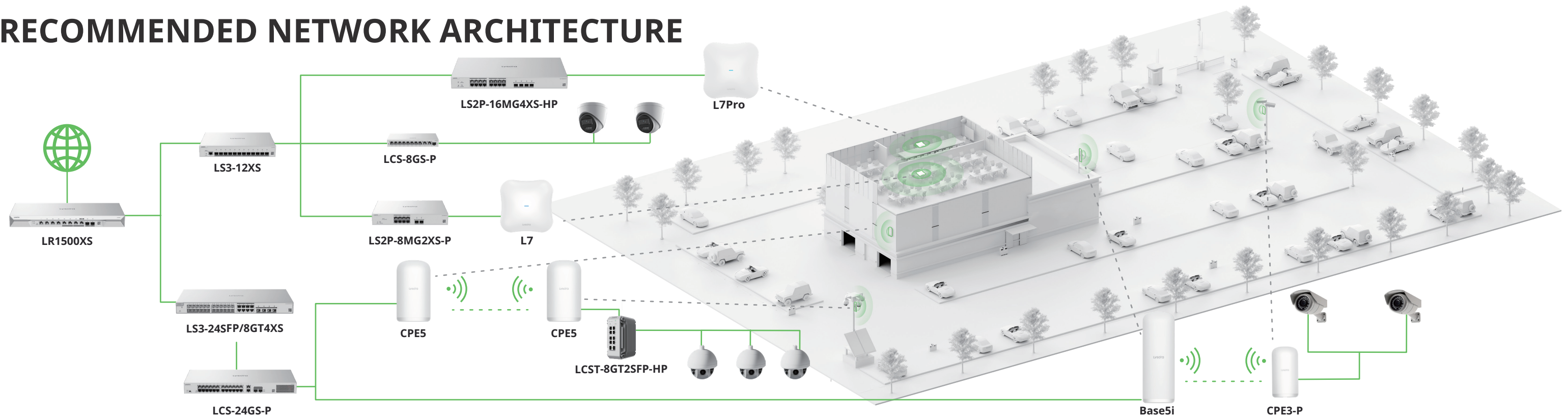
Long-Range CCTV Connectivity

Provide reliable connectivity for parking lots, perimeter security, remote buildings, and outdoor surveillance deployments.

Remote Diagnostics

Monitor device status, troubleshoot remotely, and reduce maintenance time across multiple locations.

RECOMMENDED NETWORK ARCHITECTURE





WAREHOUSE NETWORK SOLUTION

Challenges

- Wireless interference caused by metal shelving and complex layouts
- Roaming instability for mobile terminals, scanners, and AGVs
- Difficult maintenance across large warehouse facilities

Lysora Solution

- Optimized wireless coverage throughout the warehouse
- Seamless mobility for workers and devices
- Reduced downtime and operational interruptions

SOLUTION CAPABILITIES

AI-Powered Warehouse Design

Upload warehouse floorplans to automatically generate AP placement recommendations and predictive coverage maps.

Wireless Intelligent Optimization (WIO)

Automatically optimize channels and RF performance in real time for stable warehouse-wide connectivity.

Multi-WAN High Availability

Maintain always-on warehouse operations through automatic WAN failover and uninterrupted cloud connectivity.

WMS Traffic Prioritization

Prioritize warehouse management traffic and critical business applications for smooth inventory operations.

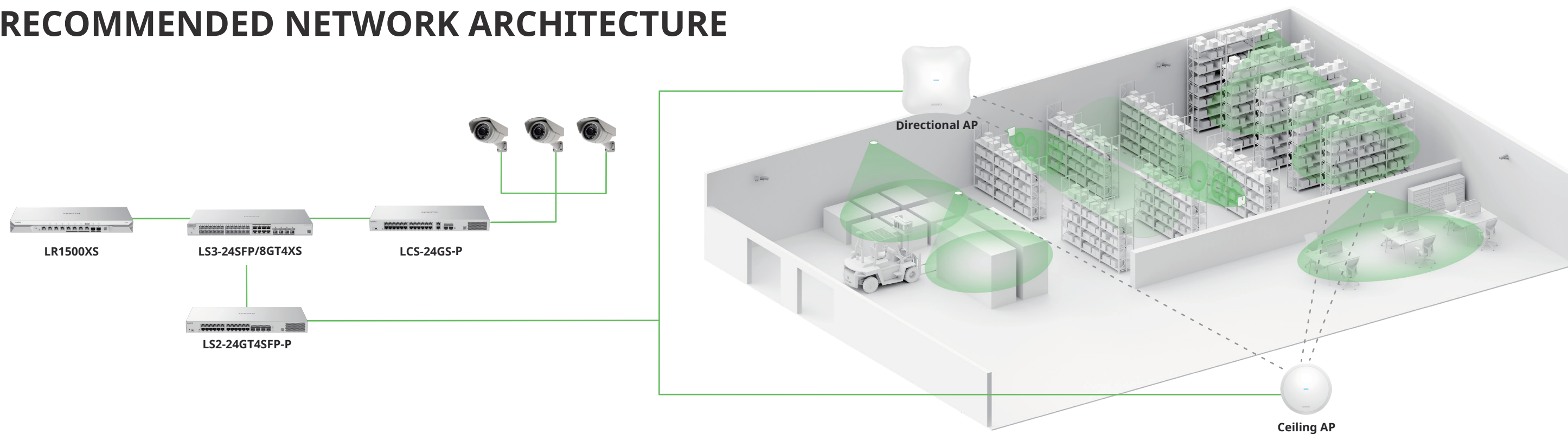
Stable High-Density Connectivity

Support handheld scanners, AGVs, mobile terminals, and warehouse devices across large environments.

Seamless Warehouse Mobility

Support uninterrupted connectivity for scanners, AGVs, forklifts, and mobile workers throughout the facility.

RECOMMENDED NETWORK ARCHITECTURE





OFFICE NETWORK SOLUTION

Challenges

- Increasing device density and bandwidth demands
- Inconsistent wireless coverage and roaming experience
- Limited visibility across multiple office locations

Lysora Solution

- High-performance connectivity for modern workloads
- Consistent wireless experience across workspaces
- Simplified network operations across distributed offices

SOLUTION CAPABILITIES

Wi-Fi 7 Performance for Modern Workloads

High-speed and low-latency connectivity designed for cloud applications, video conferencing, and high-density BYOD office environments.

Smart Application Control

Automatically prioritize business-critical applications and optimize bandwidth allocation across the office network.

BYOD Security

Secure office connectivity through identity authentication, traffic segmentation, and role-based access control.

- **Authentication**
Ensure only authorized employees and trusted devices can access the network.
- **Segmentation**
Keep guest Wi-Fi and internal business traffic securely separated.
- **Authorization**
Restrict access based on user roles and network permissions.

Seamless Wireless Roaming

Maintain uninterrupted connectivity while users move across offices, meeting rooms, and shared workspaces.

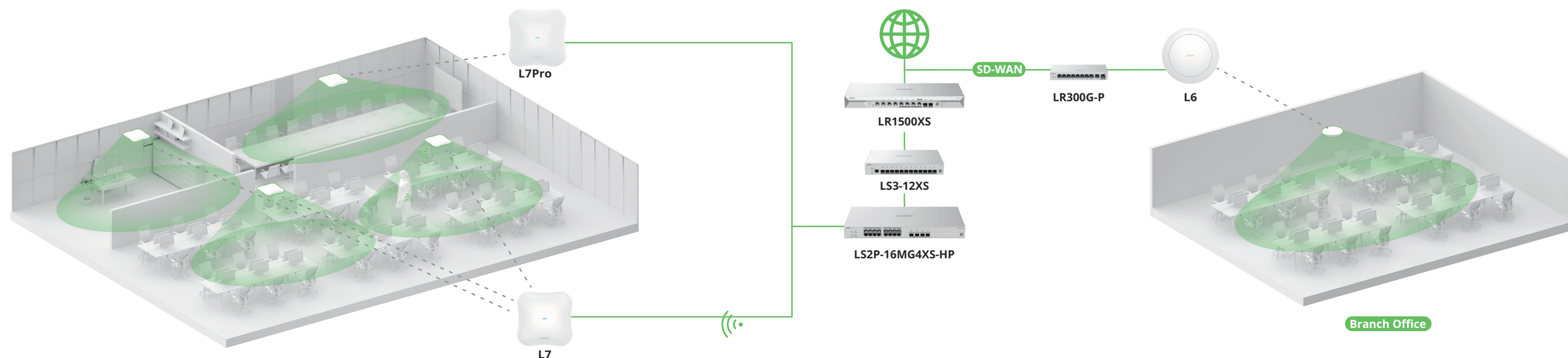
Reliable Hybrid Work Connectivity

Support cloud applications, video conferencing, collaboration platforms, and mobile work environments.

AI-Assisted Wireless Optimization

Automatically improve wireless coverage, roaming stability, and overall Wi-Fi performance across office environments.

RECOMMENDED NETWORK ARCHITECTURE





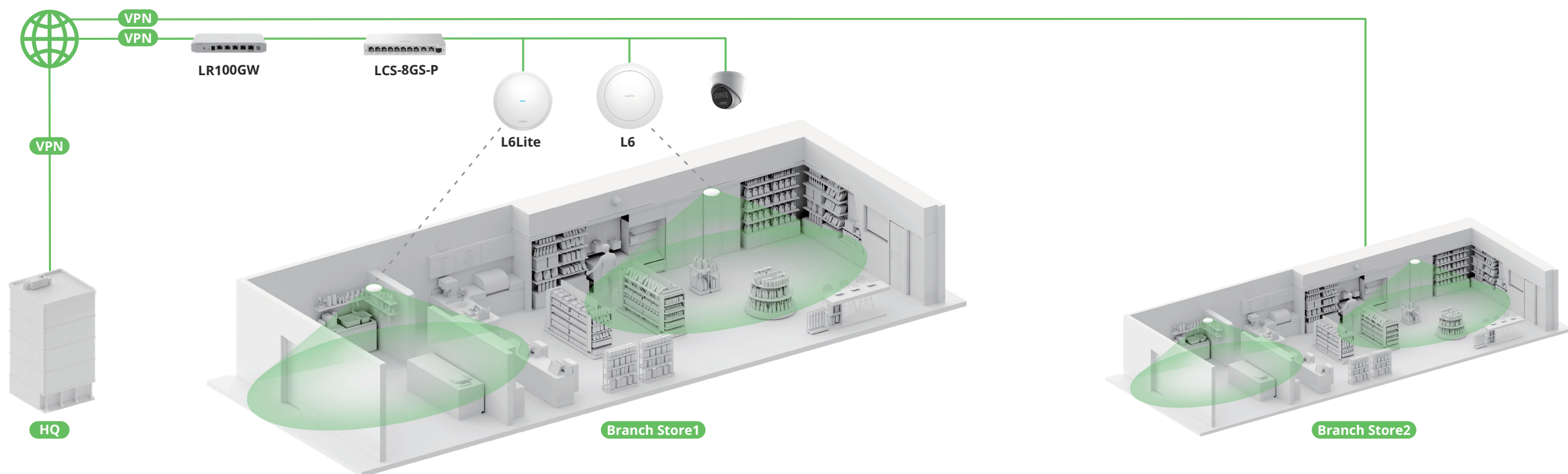
RETAIL & CHAIN STORE NETWORK SOLUTION

Challenges

- Maintaining stable connectivity for POS, payment, and customer services
- Inconsistent network performance across distributed store locations
- Complex deployment and troubleshooting during store expansion

Lysora Solution

- Reliable connectivity for business-critical operations
- Consistent network experience across all stores
- Faster rollout and simplified operations



SOLUTION CAPABILITIES

Smart AP Mesh Coverage

Deliver reliable Wi-Fi coverage throughout retail floors, checkout counters, and back-office areas while reducing cabling limitations.

Branded Guest Wi-Fi & Customer Engagement

Create customized guest Wi-Fi experiences through branded portals, voucher login, and authentication options while supporting customer engagement and data collection.

Centralized Multi-Store Management

Deploy and manage multiple retail locations remotely through one unified cloud dashboard.

AI-Assisted Retail Optimization

Automatically identify coverage gaps and optimize wireless performance during peak customer traffic periods.

Fast Cloud Provisioning

Accelerate new store rollout with QR onboarding and centralized configuration templates.

Remote Monitoring and Alerts

Monitor device status, network health, and real-time alerts across every store location.

Reliable POS Connectivity

Ensure stable connectivity for payment terminals, POS systems, and business-critical retail operations.

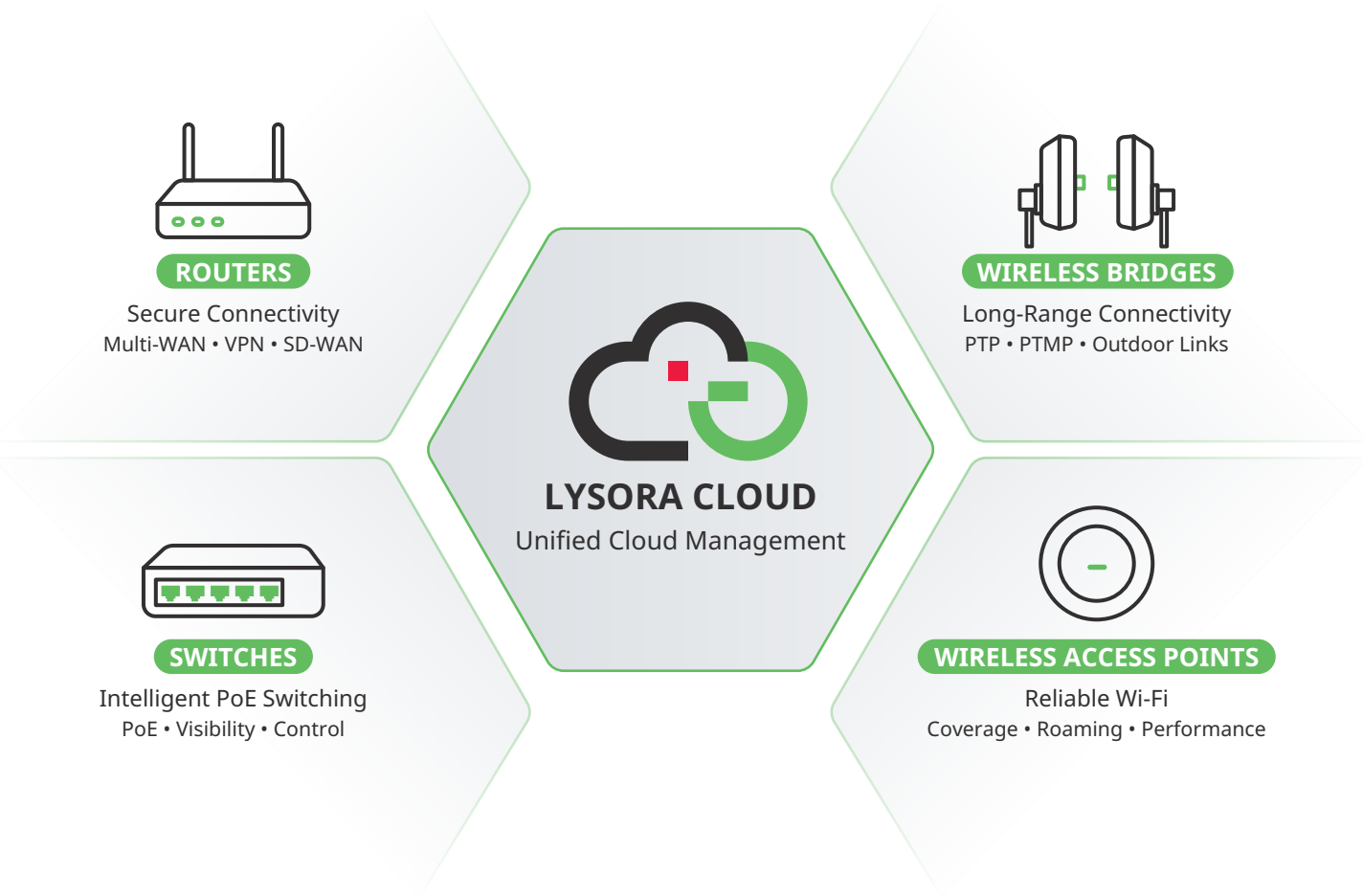
05

PRODUCTS

Networking Products Designed to Work Together

From routers and switches to wireless access points and wireless bridges, every product is designed to simplify deployment, centralize management, and support long-term network growth.

THE LYSORA ECOSYSTEM



05.01

Lysora Cloud Router Family

Multi-WAN Flexible Authentication Application Control & Traffic Management Free SD-WAN

		
LR100G	LR300G-P	LR1500XS
5 x GE, 2 x WAN	10 x GE(8 x PoE-Out Ports), 4 x WAN	4 x GE, 4 x 2.5GE, 2 x 10G SFP+
Up to 100 concurrent clients	Up to 350 concurrent clients	Up to 1500 concurrent clients
600 Mbps	1.5 Gbps	4 Gbps

05.02

Lysora Switch Family

Cloud-Managed Switches

Individual Port Reboot Individual Port Long-Range Mode Loop Prevention

	
LCS-4GS-P	LCS-8GS-P
6-Port Gigabit with 4 PoE+ Ports, 1 Combo Port	10-Port Gigabit with 8 PoE+ Ports, 1 Combo Port
54 W PoE Budget	120 W PoE Budget

	
 LCS-16GS-P 	 LCS-24GS-P
20-Port Gigabit with 16 PoE+ Ports, 2 RJ45 Ports, 2 SFP Ports	28-Port Gigabit with 24 PoE+ Ports, 2 RJ45 Ports, 2 SFP Ports
250 W PoE Budget	370 W PoE Budget

Layer 2 Managed Switches

QoS IGMP Snooping LACP

		
 LS2-8GT2SFP-P 	 LS2-24GT4SFP-P 	 LS2-48GT4SFP-P
8 PoE+ GE Ports, 2 SFP Ports	24 PoE+ GE Ports, 4 SFP Ports	48 PoE+ GE Ports, 4 SFP Ports
125 W PoE Budget	370 W PoE Budget	370 W PoE Budget

Layer 2+ Managed Switches

Static IP Routing 10G Uplink

	
 LS2P-8MG2XS-P 	 LS2P-16MG4XS-HP
8 PoE+ MG Ports, 2 x 10G SFP+ Ports	4 PoE++ MG Ports, 12 PoE+ MG Ports, 4 x 10G SFP+ Ports
240 W PoE Budget	370 W PoE Budget

Layer 3 Managed Switches

VCS DHCP Server OSPF

	
 LS3-24SFP/8GT4XS 	 LS3-12XS
24 SFP Ports with 8 Combo Ports, 4 x 10G SFP+ Ports	12 x 10G SFP+ Ports

Industrial Switches

Wide Temperature Range DIN-Rail & Wall Mountable Shock & Vibration Resistant ERPS

	
 LCST-8GT2SFP-HP 	 LS2T-8GT2SFP-HP
8-Port Gigabit with 1 PoE++ Port, 7 PoE+ Ports, 2 SFP Ports	8 PoE+ GE Ports, 2 SFP Ports
300 W PoE Budget	240 W PoE Budget
IP40	IP40
-40°C to +75°C	-40°C to +80°C
6kV Surge Protection	8kV Surge Protection

05.03

Lysora Wireless Access Point Family

Ceiling AP

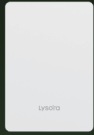
		
L7Pro	L7	L7Lite
2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 3 x 3 MU-MIMO 6 GHz: 3 x 3 MU-MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 3 x 3 MU-MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
13657 Mbps	5011 Mbps	3570 Mbps
1 x 2.5GE, 1 x SFP+	1 x GE, 1 x 2.5GE	1 x 2.5GE
128 (2.4 GHz) 256 (5 GHz) 256 (6 GHz) 600 (2.4 GHz, 5 GHz, and 6 GHz enabled)	64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz enabled)	64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz enabled)
145 m² (1560.77 sq ft.)	145 m² (1560.77 sq ft.)	140 m² (1506.95 sq ft.)

	
L6	L6Lite
2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
2976 Mbps	1775 Mbps
1 x GE	1 x GE
64 (2.4 GHz) 512 (5 GHz) 512 (2.4 GHz and 5 GHz enabled)	64 (2.4 GHz) 256 (5 GHz) 256 (2.4 GHz and 5 GHz enabled)
145 m² (1560.77 sq ft.)	125 m² (1345.49 sq ft.)

Outdoor AP

	
L7-T	L6Pro-T
2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 3 x 3 MU-MIMO	2.4 GHz: 2 x 2 MU-MIMO 5 GHz: 2 x 2 MU-MIMO
5011 Mbps	2976 Mbps
1 x 2.5GE	1 x GE, 1 x SFP
64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz enabled)	64 (2.4 GHz) 512 (5 GHz) 512 (2.4 GHz and 5 GHz enabled)
5 GHz max: 300 m (984.25 ft.) 2.4 GHz max: 100 m (328.08 ft.) 5 GHz recommended: 150 m (492.13 ft.) 2.4 GHz recommended: 50 m (164.04 ft.)	5 GHz max: 400 m (1312.34 ft.) 2.4 GHz max: 150 m (492.13 ft.) 5 GHz recommended: 200 m (656.17 ft.) 2.4 GHz recommended: 50 m (164.04 ft.)
IP65	IP68

In-Wall AP


L7-W
2.4 GHz: 2 x 2, MU-MIMO 5 GHz: 2 x 2, MU-MIMO
3750 Mbps
1 x 2.5GE, 4 x GE (1 x PoE-Out Port)
64 (2.4 GHz) 511 (5 GHz) 511 (2.4 GHz and 5 GHz enabled)
55 m² (592.02 sq ft.)

05.04

Lysora Wireless Bridge Family

Base Station

- PTMP up to 16 CPEs
- TDMA Transmission
- Spectrum Scan
- One-Touch Pairing

 Base5i	
5 GHz	
867 Mbps	
H: 120°, V:13°	
3 x GE	
5 km (3.11 miles)	
PTP	
PTMP: 1 to 16	

CPE

- PTP & PTMP Modes
- One-Touch Pairing

 CPE3-P PoE Out		 CPE5 Factory Pre-Paired	
5 GHz		5 GHz	
867 Mbps		867 Mbps	
H:30°, V: 30°		H:31°, V:14°	
3 x FE (2 x PoE Out Ports)		3 x GE	
3 km (1.86 miles)		5 km (3.11 miles)	
PTP		PTP	
PTMP: 1 to 5		PTMP: 1 to 5	