Lantech®
Intelligent Transportation System
SOLUTIONS

10G
10G/2.5G multi-ports for high-speed network
- 4X, 6X, 8X 10G/2.5G

PoE / System Galvanic Isolation
- Up to 4-Layer isolation protection
- 3KV power input to system
- 1.5KV system to Ethernet

IEEE 802.3 AF/AT/BT PoE
(BT only for OS3 and above)
- PoE BT 60W/90W
- PoE AT 30W

Perpetual and Fast PoE

Advanced Security
- IEC 62443-4-1 Certified
- IEC 62443-4-2 Compliance
- DDoS Attack Protection
- TACACS+ & RADIUS
- MACsec for high bandwidth security
- ACL Ingress/Egress
- SSL/SSH/HTTPS
- Dynamic ARP Inspection
- IP Source Guard
- Port Security

L3 L3L NAT
Powerful engine for smooth multiple high resource tasks
- Hardware NAT/PAT
- Security encryption
- L3 protocols: RIP v1/v2; VRRP; DVMRP; OSPF; PIM (DM/SSM/SM/BSR); Inter-VLAN Routing; Router-on-a-stick

Layer 2+
Complete L2+ (IPv4/IPv6)
- DHCP option 82 & Port based, Mac based DHCP, Option 7/42/60/66, DHCP Snooping, IPv6 ready
- PXE ● OOB ● MSTP/RSTP
- IGMP ● QoS

Optional Automation Protocols
- PROFINET
- MODBUS
- BACnet

PTP V2 & gPTP
- Two-step processing
- 802.1AS (gPTP)
- IEEE 1588v2 (default)
- IEEE C37.238-2017
- Power Profile IEC 61850-9-3
- TC: Transparent clock
- BC: Boundary clock
- OC: Ordinary clock

Linux Bonding
for device link redundancy
ITU G.8032 Ring
for network redundancy

milestone
Milestone Plug-in Compatibility for xProtect Smart Client
- Network discovery
- Device management
- Network topology
- Switch health monitoring
- Basic switch configuration
- Switch actions
- Import/export configurations
- Firmware upgrade
- Dashboard
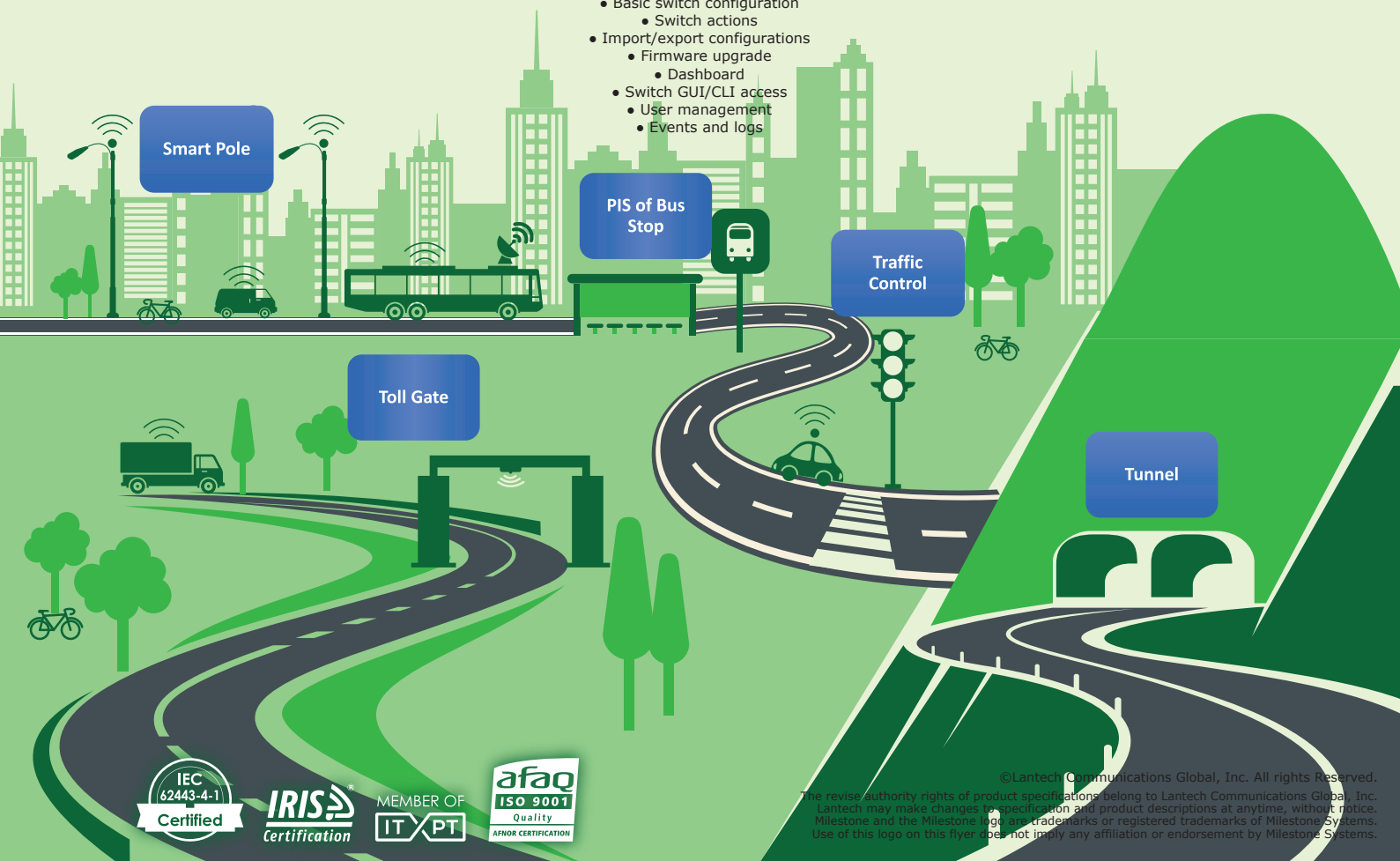- Switch GUI/CLI access
- User management
- Events and logs

API CLI WEB
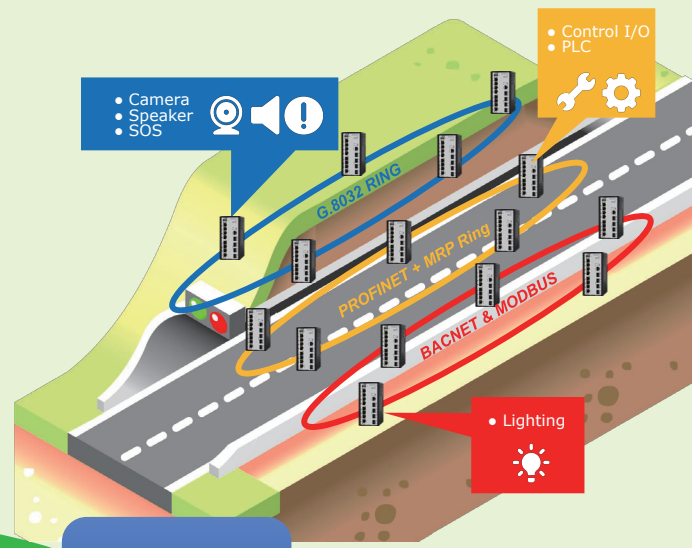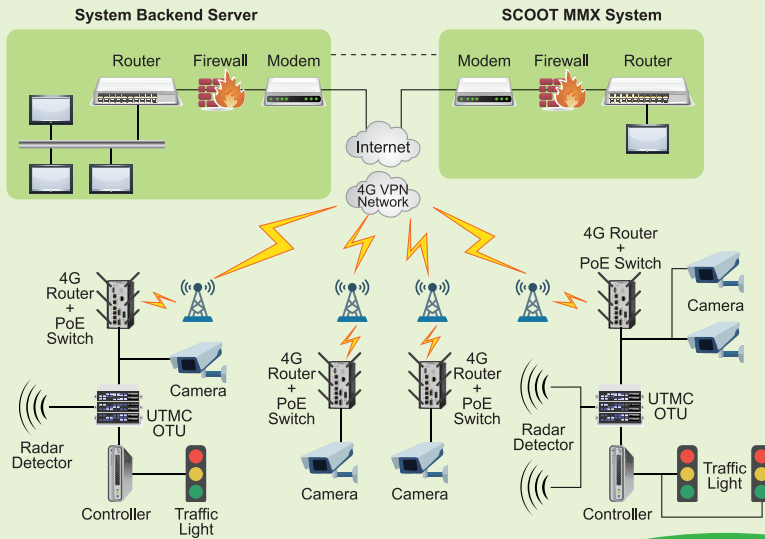**OPEN API document format for Restful API; CLI & Web GUI**

Health Diagnostic
Snapshot, Watchdog, Topology View & Enhanced Environmental Monitoring

Auto Feed Config
for swapped switch & Auto Provision

Smart Pole

PIS of Bus Stop

Traffic Control

Toll Gate

Tunnel

IEC 62443-4-1 Certified

IRIS Certification

MEMBER OF IT×PT

afaq ISO 9001 Quality AFNOR CERTIFICATION

System Backend Server

Router Firewall Modem

SCOOT MMX System

Modem Firewall Router

Internet

4G VPN Network

4G Router + PoE Switch

4G Router + PoE Switch

4G Router + PoE Switch

4G Router + PoE Switch

Camera

Camera

Camera

Camera

Radar Detector

UTMC OTU

Controller Traffic Light

Radar Detector

UTMC OTU

Controller Traffic Light

- Car license plate recognition
- Traffic flow monitoring
- Traffic control IO
- Video surveillance

Traffic Control

- Camera
- Speaker
- SOS

- Control I/O
- PLC

G.8032 RING

PROFINET + MRP Ring

BACNET & MODBUS

- Lighting

Tunnel

- IP Phone
- Traffic Sign
- Fan Controller
- VMS
- IP Cam

Industrial Ethernet Switches

PIS of Bus Stop

Timely and accurate information

Industrial Wireless Routers

Industrial Media Converters

Smart Pole

- Wi-Fi hotspot
- CCTV
- Streetlight

Toll Gate

- Video surveillance
- Lane control system
- LTE for data or real time video streaming
- Automatic vehicle identification

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