Lantech™

Pioneering Industrial and IP Networks

ITS NETWORKING



Our Customers and many more

TAIWAN Southern Taiwan Science Park	THAILAND Toll System of Motorway No. 6 & 81	HONG KONG Central - Wan Chai Bypass	INDONESIA Medan City & Surakarta City	KOREA Gyeongbu Expressway 한국도로공사
NORWAY Lærdal Tunnel	UK Mersey Gateway HALTON BOROUGH COUNCIL	UK Dartford Crossing	ROMANIA Deva City	USA Roadside Surveillance MOTOROLA SOLUTIONS
Israel AI-Driven Tolling indra				

ITU G.8032 ERPS Ring (Auto, Basic, Enhanced, Multiple-VLAN); Dual homing; MRP Ring OS1 only

OS1 Generation

OS2 Generation

L2+ Switch / L2+ Router

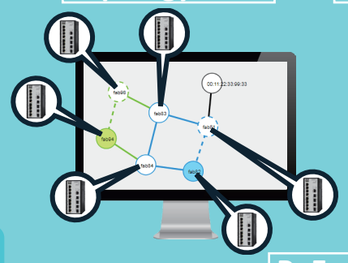
L2+ Management

QinQ, GVRP, QoS, VLAN, IGMP, etc

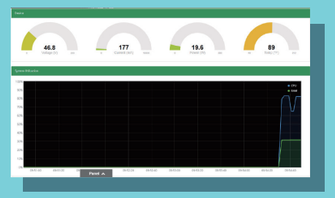
ACL | Login Security

SNMPv1/v2/v3

Topology View



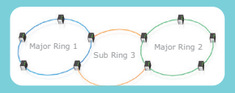
Environmental Monitoring



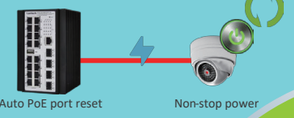
OS2 - 4G WiFi Router

- LTE quad SIM fail-over
- AP/Bridge/Client mode
- Mesh roaming
- Load Balancing
- NAT and Firewall
- Modbus gateway on serial ports
- Advanced security & 16 SSIDs
- VPN router for Multi-site VPN, OpenVPN, L2TP over IPsec, IPsec, L2 over GRE , IPGRE
- Routing Protocol: Static route / RIPv2 / OSPF / BGP / EIGRP

ITU G.8032 ERPS Ring



PoE auto detect and reset



Ethernet Galvanic Isolation

PoE + Ethernet Galvanic Isolation

Lantech View

- No dedicated server is needed
- Batch Config
- Batch Firmware Upgrade
- Schedule Reboot / Upgrade/ Backup

OS2 PRO Generation

L2+ w/basic routing

gPTP

Two-step processing bridge mode 1 microsecond in 6 hops

IEC 62443-4-2 VOC

DDos Protection



Milestone Plug-in



- Centralized Management
- Real-time Monitoring
- Easy Integration

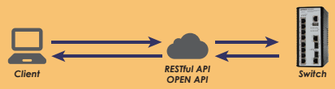
Basic Routing

- Static route
- NAT
- VRRPv2
- OSPF
- RIP

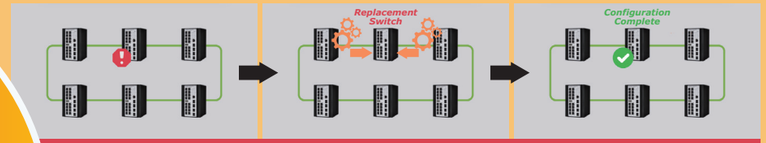
OS2PRO - 5G Router

- Up to 2 x 5G
- Load-Balancing mechanism
- Serial ports w/Modbus gateway
- NAT, L3 Routing on Each Port and VRRP—inter-Routing, DHCP, static, and dynamic routing via RIPv2 and OSPF
- Sleep Mode, Ignition timer; ITxPT Xstatus, DNS-SD and MQTT protocol on IGN model

Open API & RESTful API

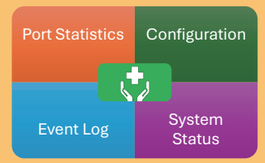


Auto Feed



The replacement switches automatically receive the correct configuration without manual intervention.

Health Diagnostic Snapshot



ITU G.8032 ERPS Ring (Enhanced mode); Dual homing

ITU G.8032 ERPS Ring (Standard mode); Dual homing; MRP Ring

IEC 62443-4-2 Certified (SL-3)

Around 90 testing items

MACsec



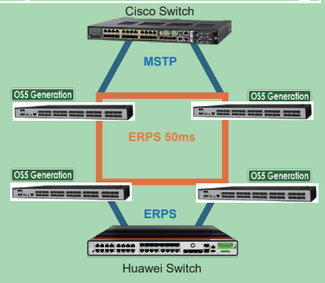
L3 - IPv6

- VRRPv3
- PIMv6
- Inter-VLAN routing
- RIPng
- OSPFv3

SNMPv3

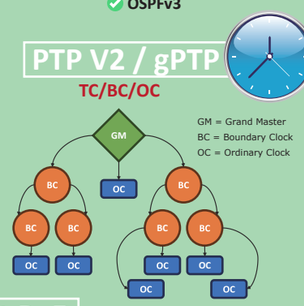
- USM
- VACM
- TSM

ERPS & xSTP Hybrid Redundant Ring



PTP V2 / gPTP

TC/BC/OC



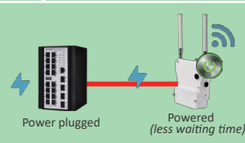
Stacking & LACP



Security Switch

OS5 Generation

Perpetual and Fast PoE



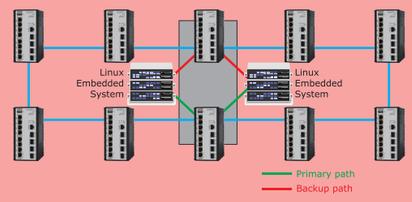
RSPAN

Hardware NAT: Static NAT/PAT

Multi ports 10G

UP TO 8X 10G

Linux Bonding



L3 - OSPF

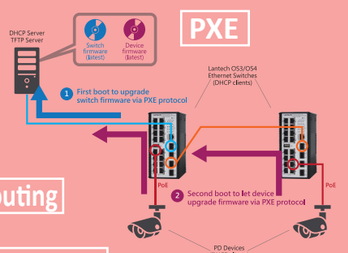
L3 - RIPv1/v2

L3 - DVMRP

L3L - OSPFv1/v2

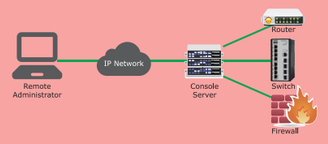
L3L - Static Multicast Routing

PXE

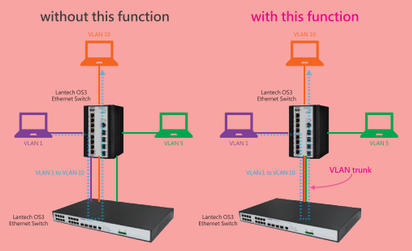


Milestone Plug-in

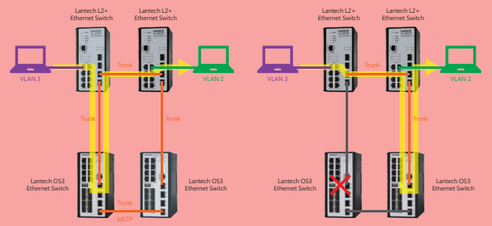
Out-of-band (OOB)



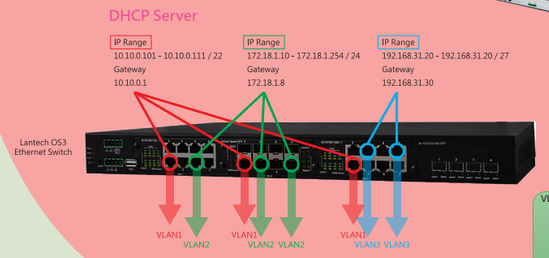
L3L - Router on a stick



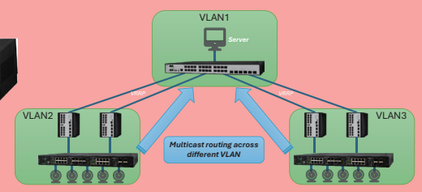
L3L - VRRP



L3L - Inter VLAN routing



L3L - VRRP aware PIM



L3L - PIM

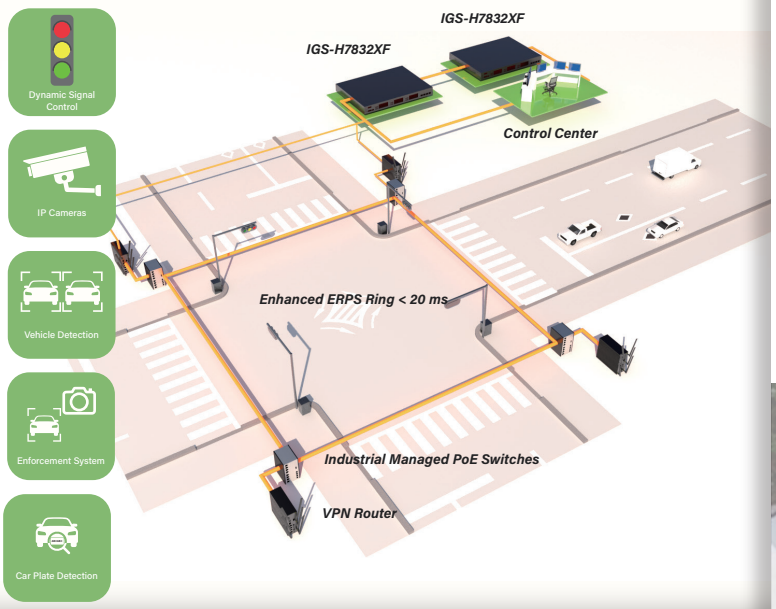
BSR | DM | SM | SSM

L3 Capability

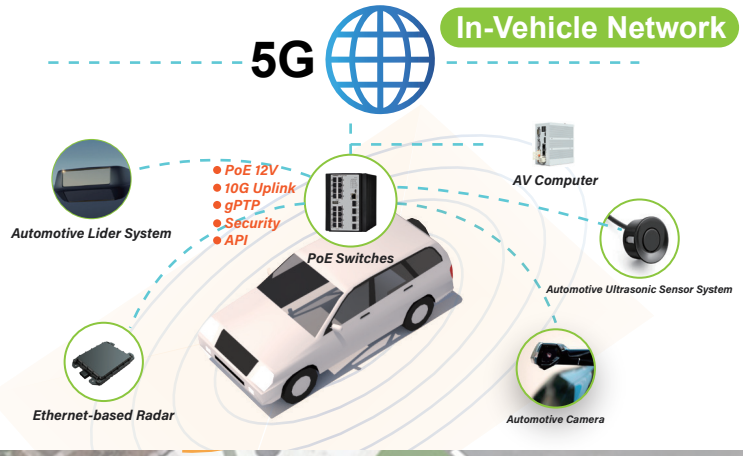
OS3 Generation

Roads and Highways for Intelligent Transportation Systems

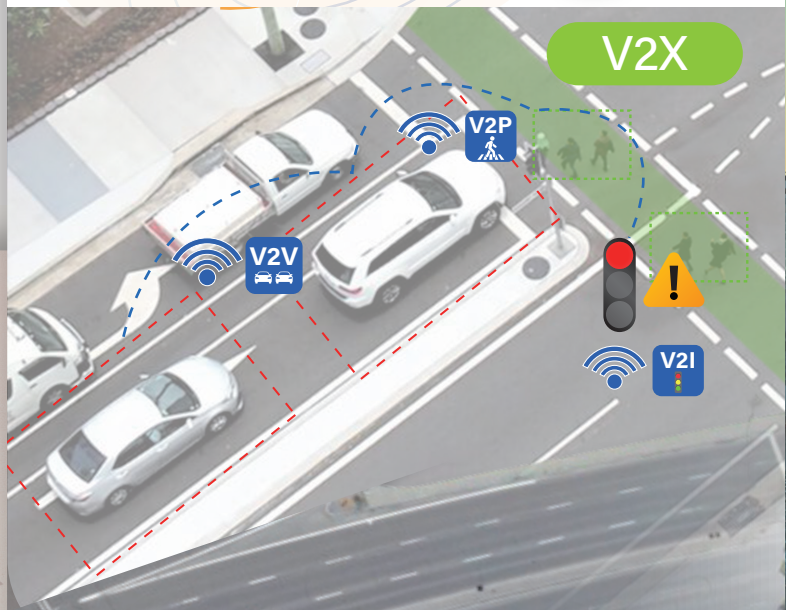
Advanced Traffic Management Systems (ATMS)



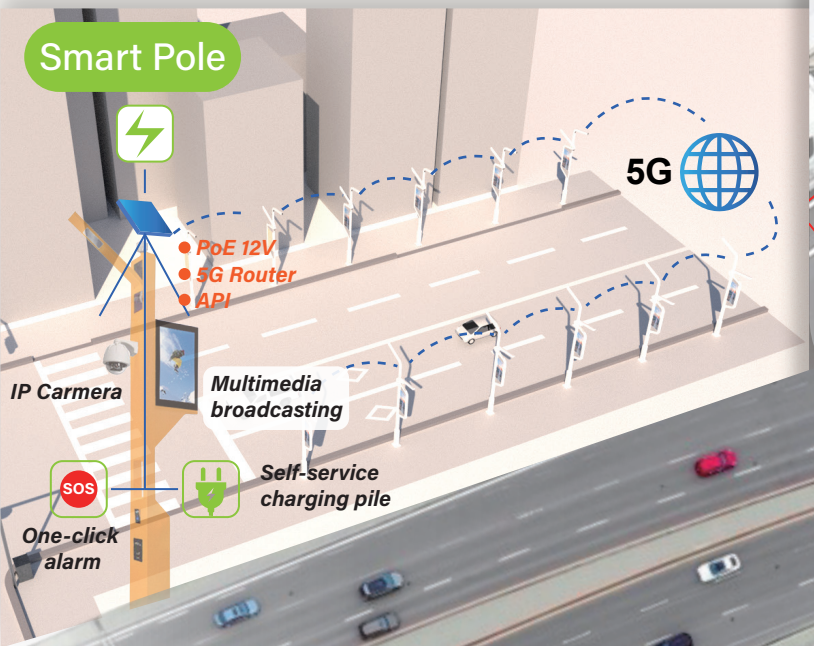
In-Vehicle Network



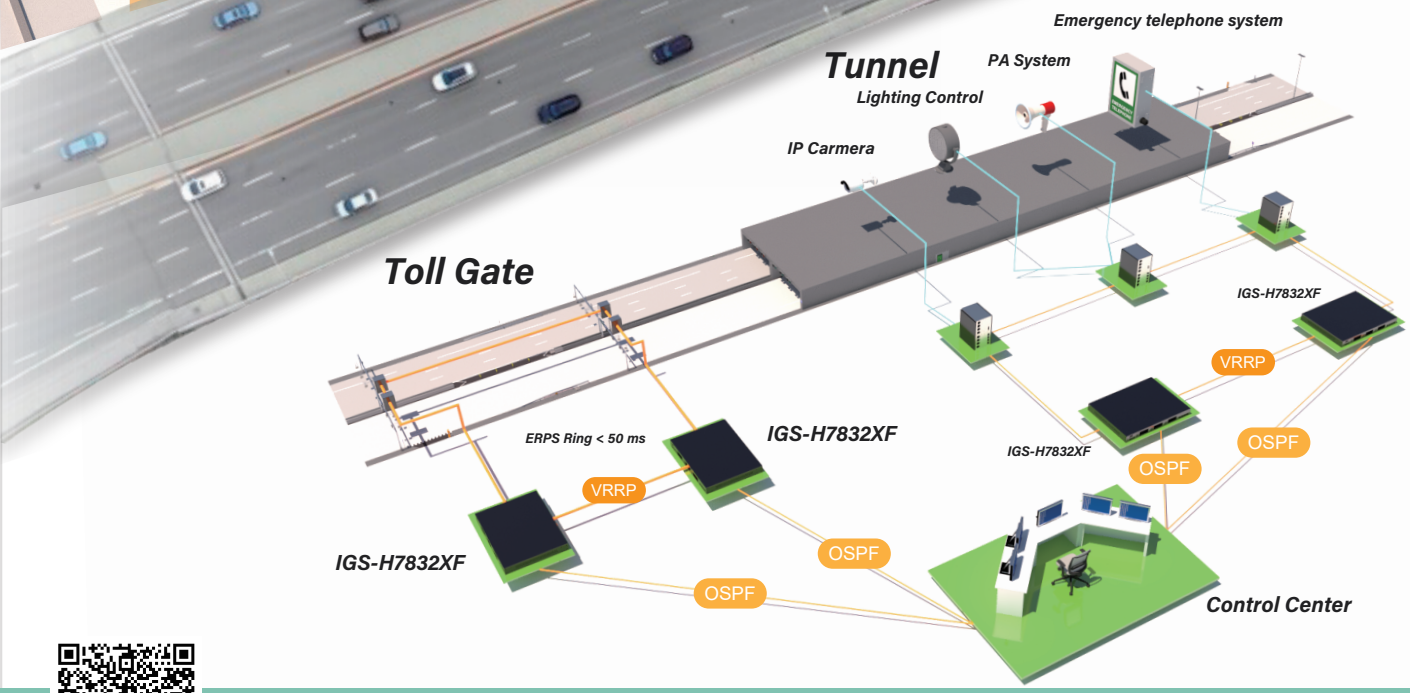
V2X



Smart Pole



Highway



Download Flyer

Lantech™
Communications Global, Inc.

TAIWAN EUROPE UK NORTH AMERICA
SOUTH AMERICA AUSTRALIA SINGAPORE

