airlive®

network
connectivity

—

catalog

The exploration of connected World

AirLive adequately combines Networking and Smart Home IoT products to make life easier and smarter

- Since 1993, AirLive, powered by OvisLink Corp., has been firmly dedicated in continuing innovation of advanced network technology to provide high quality stable Networking and Smart Home products.

- AirLive IIoT LTE Gateway, Industrial switch, Auto-Topology switch, manageable PoE and Data LAN switches that bring optimizing efficiency in the Smart City, Industry and Enterprises as well as Small Business applications.

- AirLive Smart Home IoT solutions support various Macro Automation Applications that make our home to be smart home. The SmartLife Plus APP and AirLive IoT Cloud allow to manage multiple sets of AirLive Gateway. Even better, you can change or upgrade home automation remotely.

- AirLive, effectively, combines Network IIoT and Home IoT products together to make work and life easier.

IIOT M2M LTE   **Industrial Switches**   **PoE Switches**   **Smart Home IoT**

Advanced and Unique Technologies
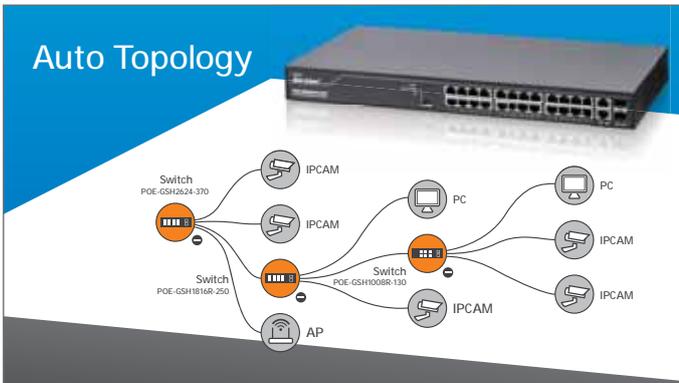
Auto Topology

AirLive Visual Manageable L2+ Auto-Topology Gigabit PoE+ Switch Series

The Auto-Topology Gigabit Switch series automatically display network structure, status or device locations by using the browsers. MIS or adminstrator can know and/or maintain all connected devices' location, IP Address, MAC Address, VLAN group, Bandwidth, Power consumption and ONVIF Camera's live-streaming easily.

AirLive L2 Web Smart Managed Gigabit PoE+ Switch Series

The L2 web managed Gigabit PoE+ switches are with 8/16/24 RJ45 and 2/4 SPF for Gigabit Networking connectivity.

20ms Faster Networking recovering Industrial Managed PoE+ Switches

AirLive Industrial Ring managed Switch is designed with embedded specific hardware to detect the network status and to provide recovering time faster than 20ms that ensures your network continues to operate without disruption.

Multiple Ports Industrial unmanaged Switches PoE+ or Ultra PoE

The multiple ports Industrial PoE+ or Ultra PoE switches, 10/8/6 ports, are designed for applications in harsh environments but where management functions are not required.
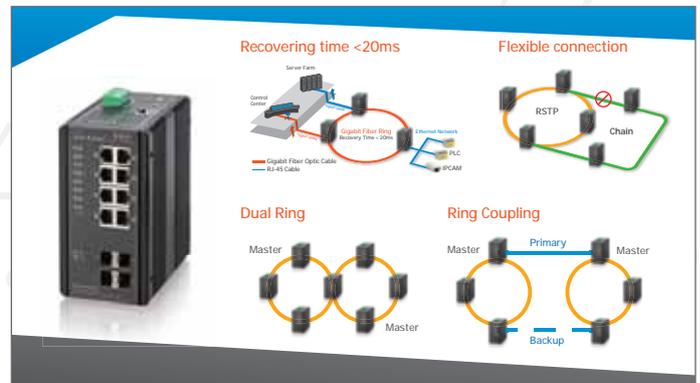
## AirLive Industrial IoT (IIoT) Serial to LTE M2M

AirLive Serial to LTE gateway allows system integrators to connect legacy serial devices to Internet via wireless WAN (LTE/3G), providing many options for data acquisition, device management and industrial control anywhere without geographic limitation. The functions are getting more important for applications like Bank ATM, Retail Door Access, street PM2.5 collection, POS or Energy System. With GPS location, it can also be applied to public transportation to know where the bus, truck or vehicle is located.

4G LTE

Free Licensed IoT Cloud and APP to manage Home Automation remotely

AirLive Smart Home IoT is designed to bring comfortable life. You can do various event, Scenes or Macro settings with AirLive SmartLife Plus APP or IOT Cloud remotely.

AirLive IoT Cloud brings great advantages such as remotely management, multiple Gateway action in same or different locations, Google Home and Amazon Alexa Voice commands, monitoring data over browser, Google map,..and more.

AirLive Network IIoT and Home IoT products effectively combine our work and life!
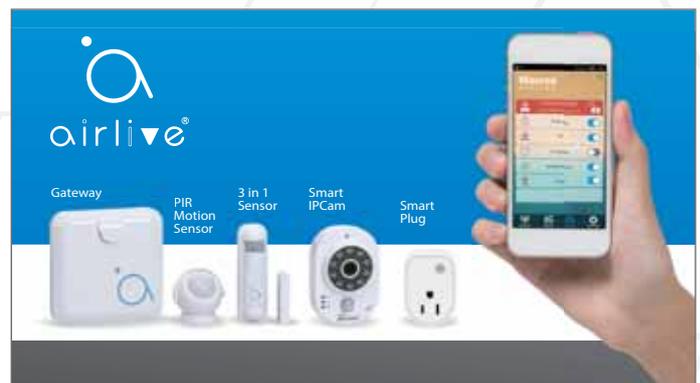
Visual Manageable L2+ Auto-Topology
Gigabit PoE+ Switch Series

Deploy and locate your Network devices easier

The AirLive Auto-Topology Gigabit PoE+ Switch is a L2+ PoE Gigabit SNMP switch "plus" unique Graphical Management. The status-of-the-art Topology Switches can display IP Address, MAC Address, Location, VLAN group, Bandwidth, Power consumption and ONVIF Camera's live-streaming by using browsers. In addition, VLAN group can be set by simply few "click" in the browser. The e-Map or Floor-map view helps to find the device location quickly. The embedded PoE Device Guard will auto recover your crashed PoE AP/Camera. System Integrator or owner can visually check the device status without going to site. This brings down maintenance cost and increases network uptime.

| 30W PoE | Graphic Management | Device Guard | DHCP Snooping | ONVIF Live-View | Fiber | Auto Topology |

Product Series

Model	POE-GSH2624-370	POE-GSH2624R-370	POE-GSH1816R-250	POE-GSH1008R-130
Hardware Interface				
Total Port Number	26	26	18	10
Gigabit RJ45 Port	24	24	16	8
Fiber Port 1G SFP	-	2	2	2
Combo Port (SPF/RJ45)	2	-	-	-
Console Port	-	-	-	-
PoE Standard	802.3at/af	802.3at/af	802.3at/af	802.3at/af
PoE Port	24	24	16	8
Max. PoE Budget	370W	370W	250W	130W
Max. PoE per Port	30W	30W	30W	30W
Power Input	100~240VAC	100~240VAC	100~240VAC	100~240VAC
Major Software Feature				
Graphical Topology	■	■	■	■
E-MAP / Floor-MAP	■	■	■	■
AirLive AP mgmt.	■	■	■	■
ONVIF Camera Live View	■	■	■	■
PoE Device Guard	■	■	■	■
SNMP	V1/V2c/V3	V1/V2c/V3	V1/V2c/V3	V1/V2c/V3
SNMP Trap	■	■	■	■
SNMP Private MIB	■	■	■	■
WEB	■	■	■	■
Telnet	-	-	-	-

L2 Web Smart Managed Gigabit PoE+ Switch

The series of L2 web smart managed Gigabit PoE+ switches are equipped with 8/16/24 RJ45 and 2/4 SFP for Gigabit Networking connectivity. The series of switches provide a comprehensive security protection system, perfect QoS strategy and rich VLAN funciton, multilevel access control policy, management and maintenance are simple and can be applied to small and medium enterprises, core layer of community and school.

PoE+ **Web Smart** **DHCP Snbooping** **Fiber**

Product Series

Model	POE-GSH802R-120	POE-GSH1602R-350	POE-GSH2402R-350	POE-GSH2404R-350
Hardware Interface				
Total Port Number	10	18	26	28
Gigabit RJ45 Port	8	16	24	28
Fiber Port 1G SFP	2	2	2	4
Combo Port (SFP/RJ45)	-	-	-	4 (option)
PoE Standard	802.3at/af	802.3at/af	802.3at/af	802.3at/af
PoE Port	8	16	24	24
Max. PoE Budget	120W	350W	350W	350W
Max. PoE per Port	30W	30W	30W	30W
Power Input	100~240VAC	100~240VAC	100~240VAC	100~240VAC
Major Management Feature				
WEB	▪	▪	▪	▪
SNMP	V1/V2c/V3	V1/V2c/V3	V1/V2c/V3	V1/V2c/V3
SNMP Private MIB	▪	▪	▪	▪
RMON	▪	▪	▪	▪
Loop Guard	▪	▪	▪	▪
WEB	▪	▪	▪	▪
and more	▪	▪	▪	▪

Small Port PoE+ or PoE swtich

For delivering both data and power over Cat.5 cables stably but no need for the management functions, you can trust AirLive unmanaged PoE+ switches. The AirLive unmanaged PoE+ switches are compliant with 802.3at/af standard that each port supports up to 30W power budget. With a large power budget, AirLive unmanaged switches ensure full power for connected PoE devices. In addition, AirLive also puts the SFP/SFP+ in our unmanaged Switches. For long distance optical connectivity, you also can use the unmanaged switch.

30W PoE   **Full Power**   **Fiber**

Product Series

Model	POE-GSH1008ATU v2	POE-GSH504ATi	POE-GSH604ATU	POE-FSH808PW	POE-FSH804ATi
Hardware Interface					
Total Port Number	10	5	6	10	8
10/100Mbps Port RJ45	-	-	-	8	8
Gigabit Port RJ45	8	5	5	1	-
Fiber Port 1G SFP	2	-	1	1	-
PoE Standard	802.3at/af	802.3at/af	802.3at/af	24V Passive POE	802.3at/af
PoE Port	8	4	4	8	4
Max. PoE Budget	110W	60W	60W	134W	60W
Max. PoE power per Port	30W	30W	30W	16.8W	30W
Rack-mountable	Yes	-	-	Yes	-
Power Module	built-in	built-in	external	built-in	external
Web-smart	-	-	-	Yes	-

Built-in SFP for cross-floor connection

Office
2F
1F

AP AP AP AP AP

POE-GSH1008ATU

AP AP AP AP AP

POE-GSH1008ATU

Fiber

Internet

Router
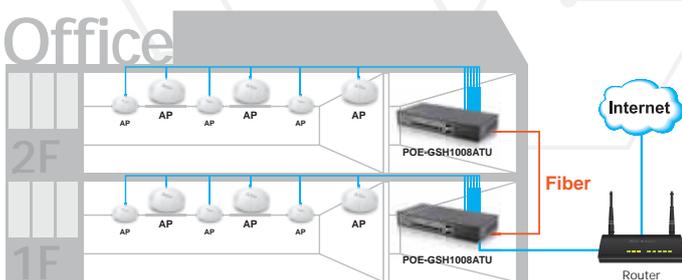
Longer distance transition

School Gate

POE-GSH604ATU

Fiber

Server Room

IPCAM
IPCAM

AirLive Central   CamPro VMS

Manageable DATA LAN Gigabit Switch

24-port SPF Gigabit Fiber Connectivity - SNMP-24MGB Plus
Web-smart Gigabit Switch - SNMP-GSH2804L

AirLive® SNMP LAN Switches are developed for SMB and Enterprise network connectivity.

The SNMP-24MGB Plus supports all-port Gigabit Fiber connectivity with wider temperature coverage -20~60°C and dual power input AC or 48Vdc.

The SNMP-GSH2804L is a L2 web-smart SNMP lite switch with 4-port SFP for fiber optics uplinking.

L2+ SNMP Web Smart   **Fiber**   **Full Ports Gigabit**   **Redundant Power**   **-20°C~60°C**

Product Series

Model	SNMP-24MGB Plus	SNMP-GSH2804L
Hardware Interface		
	24	28
Gigabit Port RJ45	-	24
Fiber Port 1G/10G SFP+		
Fiber Port 1G SFP	20	4
Gigabit Port Combo	4	-
Console Port	1 (DB9)	-
Power Input	100~240VAC, 48VDC	100~240VAC
Redundant Power	Yes (Dual power input)	-
Operation Temperature	-20~60°C	0~50°C
Major Software Feature		
Switch layer	L2+	L2
WEB	■	■
SNMP	SNMP v1,v2c, v3	SNMP v1,v2c
SNMP Private MIB	■	-
SNMP Trap	■	■
Telnet	■	-

20ms Faster Networking recovering Industrial Managed PoE+ Switches

Redundant Networking for reliable data transmit applications

AirLive Industrial Ring Managed PoE Switch supports the best networking redundancy and dual power input for mission critical environments such as factory, traffic light or energy industry. In the event of a network cable or device failure, the AirLive Ring Industrial switch can provide recovery speed of less than 20ms. The ultra fast recovering time fully ensures that the network continues to operate without disruption. The embedded specific Ring includes "Dual Ring", "Ring Coupling" and "Dual Homing" for fast network redundancy. It also supports "Chain" technology that can expand established networking systems easily.

Wider Temperature -40°C~75°C	Redundant DC Power
Fan less	**Network Recovering < 20ms**

Multiple Ring structure
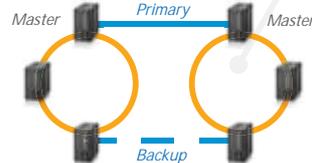
Dual Ring   **Ring Coupling**   **Dual Homing**   **Flexible connection**
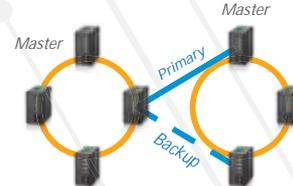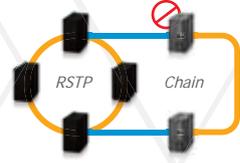
Work with any network topology and STP/RSTP

Product Series

Model	IGR-1284POE	IGR-842POE	IGR-840POE
Hardware Interface			
Total Port Number	12	8	8
Gigabit RJ45 Port	8	6	8
Gigabit Fiber Port	4	2	-
PoE Standard	802.3at/af	802.3at/af	802.3at/af
PoE Port	8	4	4
Max. PoE power per Port	30W	30W	30W
Max. PoE budget	240W	120W	120W
Dual Power Input	48V~56Vdc	48V~56Vdc	48V~56Vdc
Major Software Feature			
Web	Yes	Yes	Yes
SNMP	v1/v2c /V3	v1/v2c /V3	v1/v2c /V3
SNMP Private MIB	▪	▪	▪
AirLive Ring	▪	▪	▪
Chain	▪	▪	▪
Managed Feature	Web , CLI (Telnet, Console)	Web , CLI (Telnet, Console)	Web , CLI (Telnet, Console)

Industrial Unmanaged Switch

Industrial Grade with Wider Temperature Coverage

AirLive Unmanaged Industrial Switches support -40°C to 75°C in IP30/31 rugged strong housings with redundant power input that can work in harsh environments.

For applications were wider temperature coverage and strong housing is preferred as well as DC power input but where management functions are not required, the AirLive Unmanaged Industrial switches is the best choice.

The IGU-842POE is an Ultra PoE compliant Industrial Gigabit switch, providing 4UPOE*60W or 2UPOE*95W+2POE*30W. Total PoE budget is up to 240W. There are also 2 Gigabit uplink and 2 SFP ports.

AirLive Industrial switches are well suitable for application in deploying surveillance system, digital signage, and securing control and wireless service in demanding environments such as the factory or public transportation.

| Ethernet Surge Protection | -40°C~75°C | 60/95W PoE | 30W PoE | RJ-45 | Fiber | Redundant Power | Fan less |

Product Series

| AirLive unmanaged Industrial Switches					
Model	IG-1082POE	IG-842POE	IGU-842POE	IG-642POE	IE-541POE	IE-840POE
Hardware Interface						
Total Port Number	10	8	8	6	5	8
Gigabit RJ45 Port	8	6	6	4	-	-
10/100Mbps RJ-45 Port	-	-	-	-	4	8
Gigabit Fiber Port	2	2	2	2	-	-
100Mbps Fiber Port	-	-	-	-	1 (SC)	-
PoE Standard	802.3at/af	802.3af/at	802.3af/at	802.3at/af	802.3at/af	802.3at/af
PoE Port	8	8	4*60W UPoE or 2 x 95W UPoE+2 x 30W PoE	4	4	4
Max. PoE budget	240W	120W	240W	110W	110W	110W
Max. PoE power per Port	30W	30W	60W or 95W	30W	30W	30W
Dual Power Input	48V~56Vdc	48V~56Vdc	48V~56Vdc	48V~56Vdc	48V~56Vdc	48V~56Vdc
PoE Surge protection	12KV	12KV	12KV			

Smart Communication 4G/LTE

Industrial IoT (IIoT) M2M Serial to LTE or 4G/LTE gateway

The AirLive Industrial Cellular Gateways series include outdoor CPE, M2M Serial to LTE, and tiny remotely terminal unit for machine telemetry of Scada system.

For the locations where it's not possible or easy to have fixed landlines or for the application that needs to transmit serial data (RS232/RS485) from a remote side, the AirLive Industrial Grade 4G/LTE is the perfect solution.

Truck tracking system | WiFi Hot Spot | Bus Surveillance
Smart Meter System | Industrial Sensor Monitor | ATM system
Mobile POS System | Energy System | Outdoor Signage

RS-485 Device
RS-485 Device

4G

Serial to LTE	4G/WAN Fail-over
GPS location	Wi-Fi
Wider Temperature -20°C~60°C	
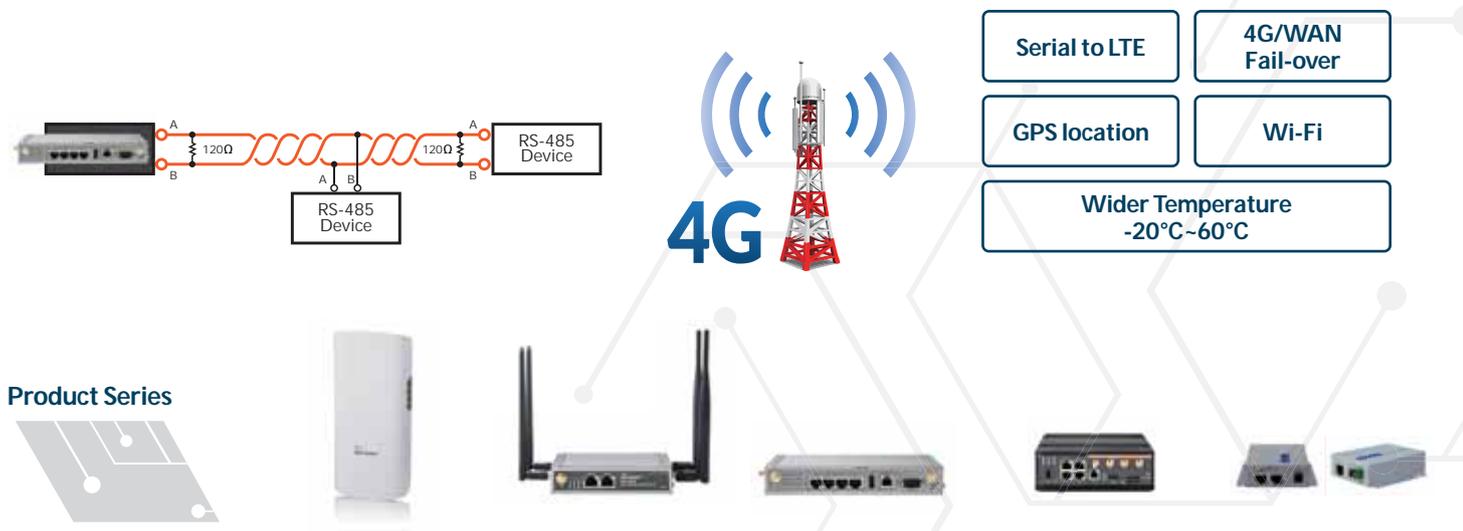
Product Series

	Outdoor LTE CPE	Vehicle LTE Mobile WiFi Hotspot	Serial to LTE, M2M		Tiny (Remote) Unit
Model	AirMax4GW (with WiFi) AirMax4G (no WiFi)	VH-4GW VH-4GW v2	M2M	M2M-4GPOE	ID-4GW (with WiFi) ID-M2M (with Serial, GPS)
Hardware Interface					
4G LTE Frequency band	AirMax4GW: B3/7/8/20 AirMax4G: by country	VH-4GW: B1/3/7/8/20/40 VH-4GWv2: by country	by country	by country	by country
WCDMA (3G) Band	1/2/5/8	1/2/5/8	1/2/5/8	1/2/5/8	1/2/5/8
Power input	48V PoE	9~36VDC	9~48VDC (Dual)	2*DC 24~48VDc (terminal block)	DC 5V~18V (DC jack)
LTE module	1	1	1	1	1
No. of Sim card	2 (Fail over)	1, 2 (v2)	2 (Fail over)	2 (Fail over)	2 (Fail over)
LAN/WAN port	1*LAN, Gigabit	1*LAN, 1*WAN, 10/100M	3*LAN, 1*WAN, 10/100M	4*LAN, 1*WAN, Gigabit	ID-4GW: 1*LAN, 1*WAN, 10/100 ID-M2M: 1*LAN, 1*RS232/485
Serial RS485/RS232	-	-	■ (DB9)	■ (ternial block)	RJ45(ID-M2M)
Log Storage Interface	-	1*MicroSD(v2)	-	1*USB	1*MicroSD
802.3af/at POE+	-	-	-	4 (Gigabit)	-
Wi-Fi	11n 2.4Ghz (AirMax4GW)	11n 2.4Ghz	11n 2.4Ghz	11ac 2.4 or 5Ghz	802.11n (ID-4GW)
GPS Location GNSS	-	■	■	-	ID-M2M
Temperature	-20°~60°C	-20°~60°C	-20°~60°C	-20°~60°C	-30°~70°C
Housing	IP-55 anti-UV housing	Metal, din-rail	Meta, din-raill	Metal, din-rail	Metal, din-rail
Power Adapter	optional PoE switch	optional industrial power	optional industrial power	optional industrial power	ID-4GW:1*DC5V/2A ID-M2M: 1*DC12V/1A
Management					
Web, Telnet, SNMP, SMS, TR-069	■	■	■	■	■
VPN server/client	■	■	■	■	■

LTE modules for AirMax4G, VH-4GWv2, ID-4GW, ID-M2M, M2M, M2M-4GPOE

E0 module (EU): B1/3/7/8/20
S2 module (Latin): B1/2/3/4/5/7/8/28/41

U0 module (US): B2/4
A0 module (ANZ): B1/3/5/7/28/40

R0 module (RU): B3/7/20
T0 module (TWN): B3/7/8/20

J0 module (JP): B1/9/18/19/21
J1 module (JP): B1/8/41

Reliable LTE Cellular Gateway Applications

Reliable LTE Cellular Connectivity for Real-Time Traffic Monitoring

4G LTE acts as important smart applications in city, transportation or, green industry. To improve and monitor traffic flow and notice incidents, road operators usually use cameras and sensors to collect real-time traffic information as well as weather or air conditions.
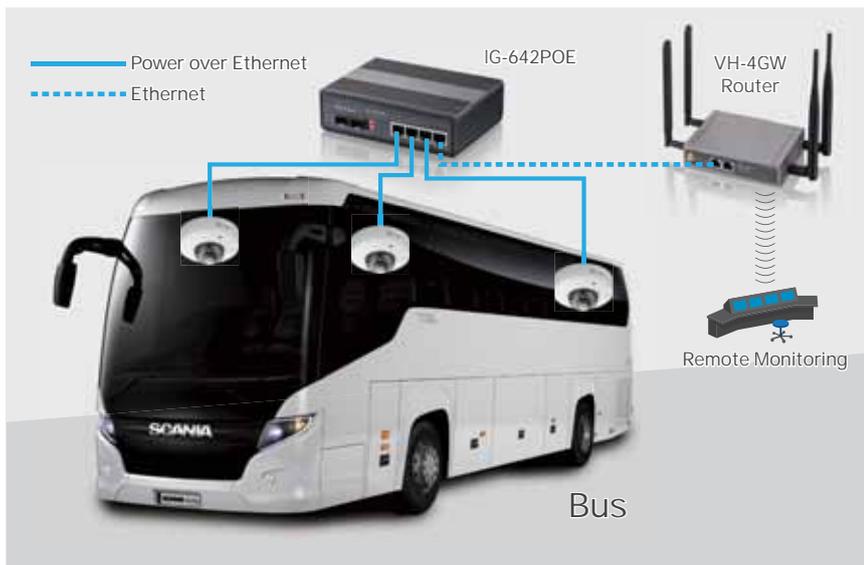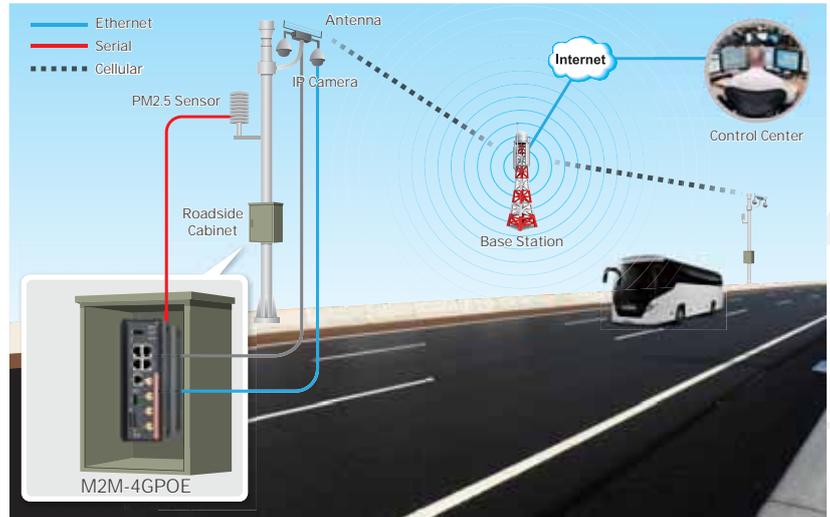
Real Time Video Surveillance and Mobile WiFi in Bus/taxis

How to understand live situation in a moving bus is important especially in public transportation. Airlive LTE Gateway. VH-4GW or M2M-4GPOE, utilities 4G LTE Technology which can transmit the camera or NVR streaming to a control room form the moving bus.

Providing Internet and WiFi Access to riders has become an essential service. The Gateway equips WiFi that is most suitable to be a WiFi hotspot for taxis, caravants, or recration vehicles. The built-in GPS receiver can retrieve location data from global GPS satellite system, and then forward to remote servers. It is helpful to track locations of vehicles.

Location Free Telemetry at Instant

The ID-M2M is 4G based remote terminal unit (RTU) for machine telemetry of Scada system. With both Ethernet and serial interfaces, it can connect to both IP based network equipement and legacy serial device. With Cellular WAN, it is non-geographic limit and can install at instant. Administrator can manage system or initiate event to trigger action remotely.

AirLive Smart Building Connection
Wireless Solution for Hotel

Overview

Hotel's Wi-Fi deployment by using AirLive's Access Point (AC.TOP) and
PoE Switch (POE-GSH2624-370) in Mallorca, a famous summer holiday
Tourism Island in Spain

Full Control over all Access points.
See network failures directly.
Save time finding problems.

AIRLIVE SWITCH

AIRLIVE WIFI

Ethernet ——— Fiber
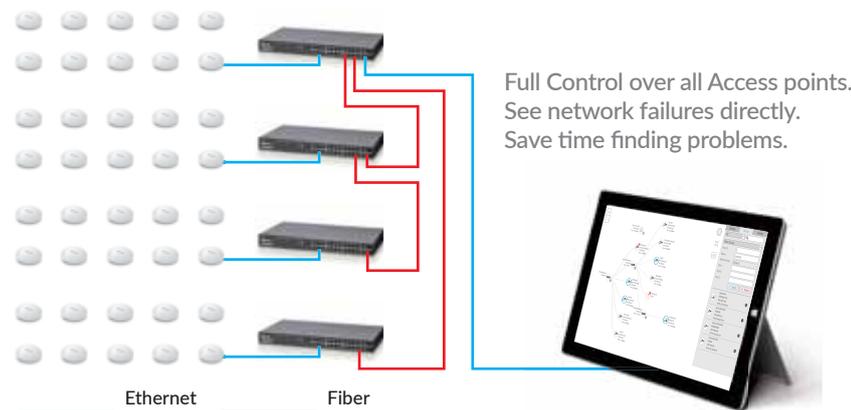
Before the hotel owners decided to use the AirLive Solution, they were looking for a totally solution which could provide Wi-Fi coverage and was easy to manage for their hotels. The solution also had to be affordable and needed to be able to grow for future larger Wi-Fi demand. Finally they decided to use AirLive's Topology Device Managed Switch, POE-GSH2624-370 and Dual Band Ceiling Mount AP, AC.TOP for their hotels.

Why AirLive Solution

Combing AirLive's managed AP (AC.TOP/N.TOP) and device managed switches POE-GSH2624-370, provided the lowest cost solution for a Wi-Fi AP managed system. This because the Topology switch can directly manage all AC.TOP access points in the network. Saving time for the hotels MIS when for example 10 access points need to get a new SSID, all of them can be changed via the switch in one go.

Because AirLive's managed solution does not require an expensive license fee or has a limitation on number of AP. When there is the need to increase the Wi-Fi coverage, the hotel owners only need to add more AC.TOP and POE-GSH2624-370 and do not need to worry about any extra license fees.

POE-GSH2624-370 Full PoE power Topology Switch
Topology view, Map view, Google map, Graphical Vlan setup, 802.3at/af full power.
24 port Gigabit and 2 port SFP.

AC.TOP Dual band high power Ceiling mounted AP
2.4 and 5Ghz, 100 Concurrent users, high power output, build in Radius server.
Gigabit network port.

AirLive Wireless Solutions

Model	AirMax5X	AirMax2	AC-1200UR	AC.TOP	N.TOP	GW-300NAS
Hardware						
Frequency	5Ghz	2.4Ghz	5Ghz/2.4Ghz	5Ghz/2.4Ghz	2.4Ghz	2.4Ghz
Wireless standard	2T2R 11a/n	11b/g	ac/a/b/g/n	ac/a/b/g/n	b/g/n	b/g/n
Wireless speed	300Mbps	54Mbps	1200Mbps	1200Mbps	300Mbps	300Mbps
10/100Mbps RJ45	2 Passive POE, POE-pass-through	1 (Passive POE)	-	-	1 (POE)	-
10/100/1000Mbps RJ45	-	-	5	1 (POE)	-	5
USB	-	-	1	-	-	1
Antenna	built-in	built-in, optional external	detachable	built-in	built-in	detachable
Max. Concurrent users	30	30	60 (30+30)	100 (50+50)	30	30
Internal Radius Server	-	-	-	Yes	-	-
Software						
Wireless central management	-	-	■	■	■	-

Case Study AirLive Network Cameras Solution for Hotel

Overview

Hotel's Security Surveillance by using AirLive's Network Cameras and PoE Switch (POE-GSH2624-370) in Middle East

Bahrain Hilton Hotel
- 800 PCS IP Camera
- 40pcs up SMB switch

Qatar 15-Story Shaza Kempinski Hotel
- 400 PCS+ IP Camera
- 20pcs up SMB switch

AirLive Major Network Cameras

Model	BU-3128+	VD-3128	SD-3030	Smart Cube SC-300W	FE-501DM
Type	IP67, IK10 Bullet	Vandal Dome IP67, IK10	IP66 Speed Dome	Wireless Smart Cube	180/360° Fisheye PoE
Resolution	3MP	3MP	3MP, 30X optical zoom	3MP	5MP
Lens	2.8~12mm motorized	2.8~12mm motorized	4.4~132mm F1.4	3.6mm F2.0	1.05mm
Smart Focus	YES	YES	YES	-	-
IR/IR-cut	50m	40m	N/A (IR-cut supported)	15m	na (IR-cut supported)
Wi-Fi	-	-	-	802.11n	-
LAN Port	10/100Mbps	10/100Mbps	10/100/1000Mbps	10/100Mbps	10/100Mbps
802.3af/af PoE	Yes	Yes	Yes	-	Yes
DIDO	Yes	Yes	Yes	-	Yes
ONVIF	Yes	Yes	Yes	Yes	Yes
Unique features	Smart IR50m / Hardware WDR 120dB / auto-motorized lens / 4X Optical Zoom	Smart IR40m / Hardware WDR 120dB / auto-motorized lens / 4X Optical Zoom	Extreme PTZ Speed / 30X Optical Zoom / Smart-tracking / 60W PoE / -40°~50°C / FAN/Heater built-in	Wi-Fi 802.3n 300Mbps / 10/100Mbps Ethernet / PIR / Humidity / Temperature sensor / AirLive IoT APP supported	E-PTZ / ROI with 5 independent streams
Video Compression	H.265/H.264	H.265/H.264	H.264	H.264	H.264
NVR	ONVIF compliant	ONVIF compliant	ONVIF compliant	ONVIF compliant	ONVIF compliant
VMS	ONVIF compliant	ONVIF compliant	ONVIF compliant	ONVIF compliant	ONVIF compliant

CoreNVR9/16
- 9 or 16CH
- ONVIF Compliant
- up to 6TB x 2 internal SATAII HDD
- e-SATA for storage
- Two-way Audio
- Mobile View
- CMS up to 256CH
- Multi-screen display supported

Visual Manageable
L2+ Auto-Topology Gigabit PoE+ Switch Series Specification

AirLive® Auto-Topology Manage PoE+ Gigabit Switch supports "Auto-Topology", "E-map view", "Floor-map view", "Traffic monitoring", "VLAN group Graphical setting" and SNMP Function. The "Camera live streaming" and "AirLive AP management" are also supported by three of the family. Thanks to its Device Guard function which monitors and reboots your PoE Camera or AP automatically when it fails your network will always be up and running.

Product Series

	L2+ SNMP and Topology PoE Switch Series			
Model	POE-GSH2624-370	POE-GSH2624R-370	POE-GSH1816R-250	POE-GSH1008R-130
Hardware Interface				
Total Port Number	26	26	18	10
Gigabit RJ45 Port	24	24	16	8
Fiber Port SFP+ 1G/10G	-	-	-	-
Fiber Port	-	2	2	2
Combo Port	2	-	-	-
PoE Standard	802.3at/af	802.3at/af	802.3at/af	802.3at/af
PoE Port	24	24	16	8
Max PoE Budget	370W	370W	250W	130W
Max PoE Per Port	30W	30W	30W	30W
Power Input	100~240VAC	100~240VAC	100~240VAC	100~240VAC
Rack Mountable	■	■	■	■
Operation Temperature	0~50°C	0~50°C	0~50°C	0~50°C
Switch Architecture				
Switch capacity (Gbps)	52	52	36	20
MAC Address	8K	8K	8K	8K
Jumbo Frame	9K	9K	9K	9K
Major Software Feature				
Switch Layer	L2+	L2+	L2+	L2+
Topology View	■	■	■	■
Floor View	■	■	■	■
Map View	■	■	■	■
Cameras Live Streaming	■	■	■	■
AirLive AP Manage	■	■	■	■
PoE On/Off	■	■	■	■
PoE Scheduling	■	■	■	■
Port Trunk (LACP)	■	■	■	■
VLAN	■	■	■	■
VLAN Trunking	■	■	■	■
M(R)STP	■	■	■	■
QoS	■	■	■	■
Access Control	■	■	■	■
LLDP	■	■	■	■
UPNP	■	■	■	■
DHCP Server	■	■	■	■
DHCP Snooping	■	■	■	■
IPv4/IPv6 stacking	■	■	■	■
SNMP	V1/V2c/V3	V1/V2c/V3	V1/V2c/V3	V1/V2c/V3
SNMP Private MIB	■	■	■	■
SNMP Trap	■	■	■	■
E-mail Notification	■	■	■	■

Web Smart Manageable L2 Gigabit PoE Switch Series Specification

AirLive® L2 Web-Smart management switch are all ports Gigabit PoE+ 8/16/24 and SFP 2/4 supported. The series switches provide a comprehensive security protection system, perfect QoS strategy and VLAN funciton, management and maintenance are simple and can be applied to small and medium enterprises, core layer or community and school.

Product Series
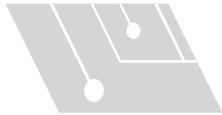
Model Name	POE-GSH2402R	POE-GSH2404R	POE-GSH1602R	POE-GSH802R
Hardware Interface				
Total Port Number	26	28	18	10
Gigabit RJ45 Port	24	24	16	8
SFP or Combo Port	2	4 (combo)	2	2
PoE Standard	802.3at/af	802.3at/af	802.3at/af	802.3at/af
PoE Port	24	24	16	8
Max PoE Budget	350W	350W	350W	120W
Max PoE Per Port	30W	30W	30W	30W
Power Input	100~240VAC	100~240VAC	100~240VAC	100~240VAC
Rack Mountable	■	■	■	■
Operation Temperature	0~50°C	0~50°C	0~50°C	0~50°C
Switch Architecture				
Bandwidth (Gbps)	56	56	36	20
MAC Address	8K	8K	8K	8K
Buffer	4.1M	4.1M	4.1M	4.1M
Flash	16M	16M	16M	16M
Major Software Feature				
Switch Layer	L2	L2	L2	L2
VLAN	■	■	■	■
Spaning Tree	■	■	■	■
Link Aggregation	■	■	■	■
Port Mirror	■	■	■	■
Loop Guard	■	■	■	■
Isolation	■	■	■	■
Port Flow Control	■	■	■	■
Line Rate	■	■	■	■
IGMP Snooping	■	■	■	■
DHCP	■	■	■	■
Storm suppression	■	■	■	■
Security	■	■	■	■
QoS	■	■	■	■
PoE Management	■	■	■	■
WEB management	■	■	■	■

AirLive small ports PoE Web Smart or Unmanaged Switch Series Specification

For reliable client-site PoE data and power transmission over Cat.5e or Cat.6 and higher cables at 100meters, you can rely on AirLive® Unmanaged PoE switch. The range of PoE unmanaged switches are 802.3af/at POE+ compliant. Each PoE port can be up to 30W which support full power for your PoE device. For Fiber optic connectivity, you can choice models with SFP. The POE-FSH808PW is 24V PoE web-smart management switch.

Product Series

Model Name	POE-FSH808PW	POE-GSH1008ATU v2	POE-GSH604ATU	POE-GSH504ATi	POE-FSH804ATi
Hardware Interface					
Total Port Number	10	10	6	5	8
Gigabit RJ45 Port	1	8	5	5	-
Fast Ethernet RJ45	8	-	-	-	8
Fiber Port 1G/10G SFP+	-	-	-	-	-
Fiber Port	1	2	1	-	-
Combo Port	-	-	-	-	-
PoE Standard	24V Passive	802.3at/af	802.3at/af	802.3at/af	802.3at/af
PoE Port	8	8	4	4	4
Max PoE Budget	134W	110W	65W	60W	60W
Mar PoE Per Port	16.8W	30W	30W	30W	30W
Power Input	100~240VAC	110~240VAC	52Vdc (72W)	110~240VAC	110~240VAC
Rack Mountable	■	■	-	-	-
Operation Temperature	0~50℃	0~50℃	0~50℃	0~50℃	0~50℃
Switch Architecture					
Switch capacity (Gbps)	3.6	20	12	10	1.6
MAC Address	4K	8K	1K	2K	2K
Jumbo Frame	9K	9K	9K	9K	9K
Major Software Feature					
PoE Scheduling	■	-	-	-	-
Port Trunk	■	-	-	-	-
VLAN	■	-	-	-	-
VLAN Trunking	■	-	-	-	-
(R)STP	■	-	-	-	-
QoS	■	-	-	-	-

LAN Switch Series Specification

AirLive® SNMP LAN switches include L2+ SNMP Switch and Web-Smart switch as core switch for SMB or Enterprises. The SNMP-24MGB Plus is an all-fiber 24-port L2+ switch can be used to cluster all fiber connections from each floor or division. Even better, the SNMP-24MGB Plus supports dual power input for power redundant and a wider temperature -20~60°C coverage for harsh envirment applicaiton capable.

Product Series

	L2+ SNMP	L2 SNMP	Unmanaged
Model Name	SNMP-24MGB Plus	SNMP-GSH2804L	Live-M8G
Hardware Interface			
Total Port Number	24	28	8
Gigabit Port RJ-45	-	24	8
Fiber Port SFP+ 1G/10G	-	-	-
Fiber Port SFP	20	4	-
Combo Port	4	-	-
Console Port	1 (DB9)	-	-
Power Input	110~240VAC, 48VDC	110~240VAC	5V/1A adapter
Rack Mountable	■	■	-
Operation Temperature	-20~60°C	0~50°C	0~50°C
Switch Architecture			
Switch capacity (Gbps)	48	56	16
MAC Address	8K	8K	4K
Jumbo Frame	9K	9K	9K
Major Software Feature			
Switch Layer	L2+	L2	unmanaged
Topology View	■	-	-
Floor View	■	-	-
Map View	■	-	-
Port Trunk (LACP)	■	■	-
VLAN	■	■	-
VLAN Trunking	■	■	-
M(R)STP	■	RSTP	-
QoS	■	■	-
Access Control	■	■	-
LACP	■	■	-
UPNP	■	-	-
DHCP Server	■	-	-
DHCP Snooping	■	-	-
IPv4/IPv6 Stacking	■	IPv4	IPv4
SNMP	V1/V2c/V3	V1/V2c	-
SNMP Private MIB	■	-	-
SNMP Trap	■	■	-
RMON	■	-	-
E-mail Notification	■	-	-
CLI	■	-	-

Fiber Converter / Transceiver	
Model	MC-1000SFP
Hardware	
	Gigabit RJ45 and SFP Fiber Converter
	1 SFP GbE Port
	1 RJ45 GbE Port
	802.3x flow control
	Auto MDI/MID-X for TX port
Model	SFP-LX-10
Hardware	
	1000Base-LX MiniGBIC Transceiver
	1310nm FP, 10KM
	Duplex LC Connector
	Hot Pluggable
Model	SFP-SX
Hardware	
	1000Base-SX MiniGBIC Transceiver
	850nm VCSEL, 500m
	Duplex LC Connector
	Hot Pluggable

Managed Industrial Switch Series Specification

AirLive® Industrial Managed Switches include Ring embedded or Auto-Topology Managed Switch. All of the switches provide non-blocking wire-speed performance and great flexibility for Ethernet extensions in harsh environments. Both series are equipped an IP30/31 rugged strong case with redundant power system and, a wider temperature range -40°C~75°C is supported. The Ring Embedded Series supports multiple Ring and Chain functions that works with any network topology with network recovery speed faster than 20ms. The Auto-Topology series supports visually management functions. AirLive® Industrial Switch is well suited for applications in deploying street surveillance system, Bank ATM connectivity, Securing access control and Wireless service in climatically demanding environments such as factory or public transportation.

Product Series

	Industrial Ring Managed Switch Series			Industrial Topology Managed Switch Series		
Model Name	IGR-1284POE	IGR-842POE	IGR-840POE	IGT-1284POE	IGT-842POE	IGTU-842POE
Hardware Interface						
Total Port Number	12	8	8	12	8	8
Gigabit RJ45 Port	8	6	8	8	8	8
10/100Mbps RJ45 Port	-	-	-	-	-	-
Fiber Port	4	2	-	4	2	2
IEEE802.3at (PoE+ 30W)	YES	YES	YES	YES	YES	YES
UPoE (60W)	-	-	-	-	-	YES
PoE Port	8	4	4	8	4	4
Max PoE Budget	240W	120W	120W	240W	120W	240W
Max PoE Per Port	30W	30W	30W	30W	30W	60W
Dual Power Input	48V~56Vdc	48V~56Vdc	48V~56Vdc	48V~56Vdc	48V~56Vdc	48V~56Vdc
Power Connector	Terminal Block	Terminal Block	Terminal Block	Terminal Block	Terminal Block	Terminal Block
Mounting Type	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail
Operation Temperature	-40 ~75°C	-40 ~75°C	-40 ~75°C	-40 ~75°C	-40 ~75°C	-40 ~75°C
Switch Architecture						
Switch capacity (Gbps)	24	16	16	24	16	16
MAC Address	8K	8K	8K	8K	8K	8K
Jumbo Frame	9K	9K	9K	9K	9K	9K
Major Software Feature						
PoE On/Off	■	■	■	■	■	■
PoE Scheduling	■	■	■	■	■	■
Port Trunk (LACP)	■	■	■	■	■	■
VLAN	■	■	■	■	■	■
VLAN Trunking	■	■	■	■	■	■
AirLive Ring	■	■	■	-	-	-
M(R)STP	■	■	■	■	■	■
QoS	■	■	■	■	■	■
Access Control	■	■	■	■	■	■
DHCP Server	■	■	■	■	■	■
DHCP Snooping	■	■	■	■	■	■
SNMP	V1/V2c	V1/V2c	V1/V2c	V1/V2c/V3	V1/V2c/V3	V1/V2c/V3
CLI command	■	■	■	■	■	■
Device Management	-	-	-	■	■	■
Topology View	-	-	-	■	■	■
Floor View	-	-	-	■	■	■
Map View	-	-	-	■	■	■

Unmanaged Industrial Switch Series Specification

AirLive® Industrial Switches provide non-blocking wire-speed performance and great flexibility for Ethernet extension in harsh environments. It equips an IP30/31 rugged strong case with redundant power system, and a wider temperature range -40°C~75°C is supported.

The new All Gigabit Industrial PoE switch supports 12KV PoE surge protection. IGU-842POE can support up to 95W or 60W Ultra PoE. There are also Ultra PoE injectors in your option.

Product Series

	Industrial Unmanaged Switch Series					
Model	IG-1082POE	IG-842POE	IGU-842POE Ultra PoE	IG-642POE	IE-541POE	IE-840POE
Hardware Interface						
Total Port Number	10	8	8	6	5	8
Gigabit RJ45 Port	8	6	6	4	-	-
10/100Mbps RJ45 Port	-	-	-	-	4	8
Fiber Port SFP	2	2	2	2	1(SC)	-
PoE Standard	802.3at/af	802.3at/af	802.3at/af	802.3at/af	802.3at/af	802.3at/af
PoE Port	8	4	2*95W+2*30W or 4*60W	4	4	4
Max PoE Budget	240W	120W	240W	110W	110W	110W
Max PoE Per Port	30W	30W	30W/60W/95W	30W	30W	30W
Dual Power Input	48V~56Vdc	48V~56Vdc	54V~56Vdc	48V~56Vdc	48V~56Vdc	48V~56Vdc
Power Connector	Terminal Block	Terminal Block	Terminal Block	Terminal Block	Terminal Block	Terminal Block
Mounting Type	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail	Din-Rail
12KV Surge protection	■	■	■			
Operation Temperature	-40~75°C	-40~75°C	-40~75°C	-40~70°C	-40~70°C	-40~70°C
Housing	IP30	IP30	IP30	IP30	IP30	IP30
Din-Rail and wall mounting	■	■	■	■	■	■
Switch Architecture						
Switch capacity (Gbps)	20	16	16	12	1	1.6
MAC Table	4K	4K	4K	1K	1K	1K
Jumbo Frame	9,216 Bytes	9,216 Bytes	9,216 Bytes	9,216 Bytes	9,216 Bytes	9,216 Bytes

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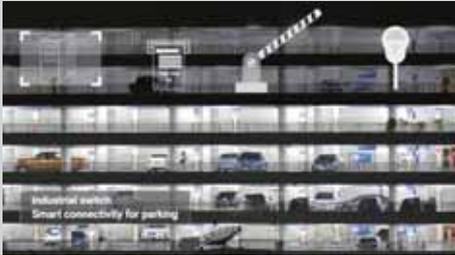
Smart Parking
Industrial Switch stands for wider temperature

Smart Factory
Ultra fast network recovering with Industrial Ring technology

Smart Factory
Multiple Ring and Chain Work with any network Topology

Smart Organization
Auto Topology networking and Camera Streaming

Smart Hotel
Auto Topology networking and Wi-Fi Access

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