ORing
Get Connected Anytime, Anywhere

The Next-Generation 3000-Series Managed Switches
Optimized for OT networks, ensuring reliability.

IES-3082GP-LA/ IES-3164GP-LA

- Managed L2 Ethernet switches
- Fast Ethernet with gigabit uplinks
- Network redundancy by O-Ring/O-Chain, RSTP/MSTP and MRP
- Dual DC power inputs

IGS-3000-LA/ IGPS-3000-LA series

- Managed L2 Ethernet (PoE) switches
- All gigabit ports
- PoE models comply with IEEE 802.3at
- Network redundancy by O-Ring/O-Chain, RSTP/MSTP and MRP
- Dual DC power inputs
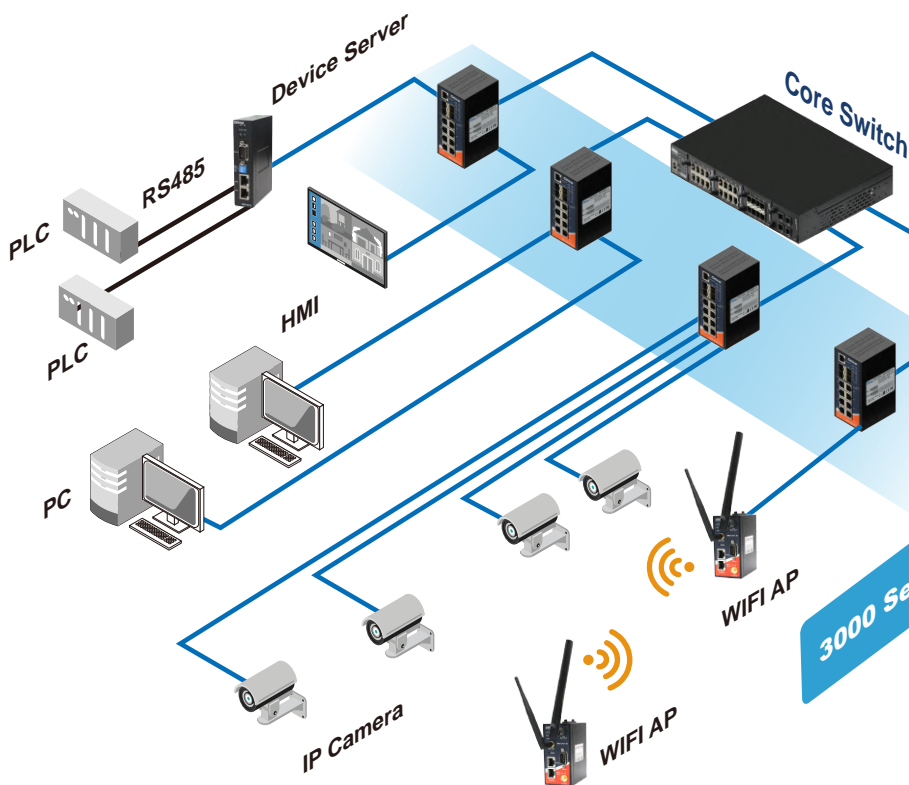
IGS-C3000/ IGPS-C3000 series

- Managed L2 Ethernet (PoE) switches
- Full gigabit with 2.5Gbit/s SFP uplinks
- PoE models comply with IEEE 802.3at
- Network redundancy by O-Ring/O-Chain, RSTP/MSTP, MRP and G.8032
- Centralized management with ORing Commander (Open-Vision V4.0)
- Supports IEEE 1588 PTP server/client
- Dual DC power inputs

RGS-3244GP/ RGPS-3244GP-P

- Rackmount Managed L2 Ethernet (PoE) switches
- All gigabit ports
- PoE models comply with IEEE 802.3at
- Network redundancy by O-Ring/O-Chain, RSTP/MSTP and MRP
- AC / DC power input

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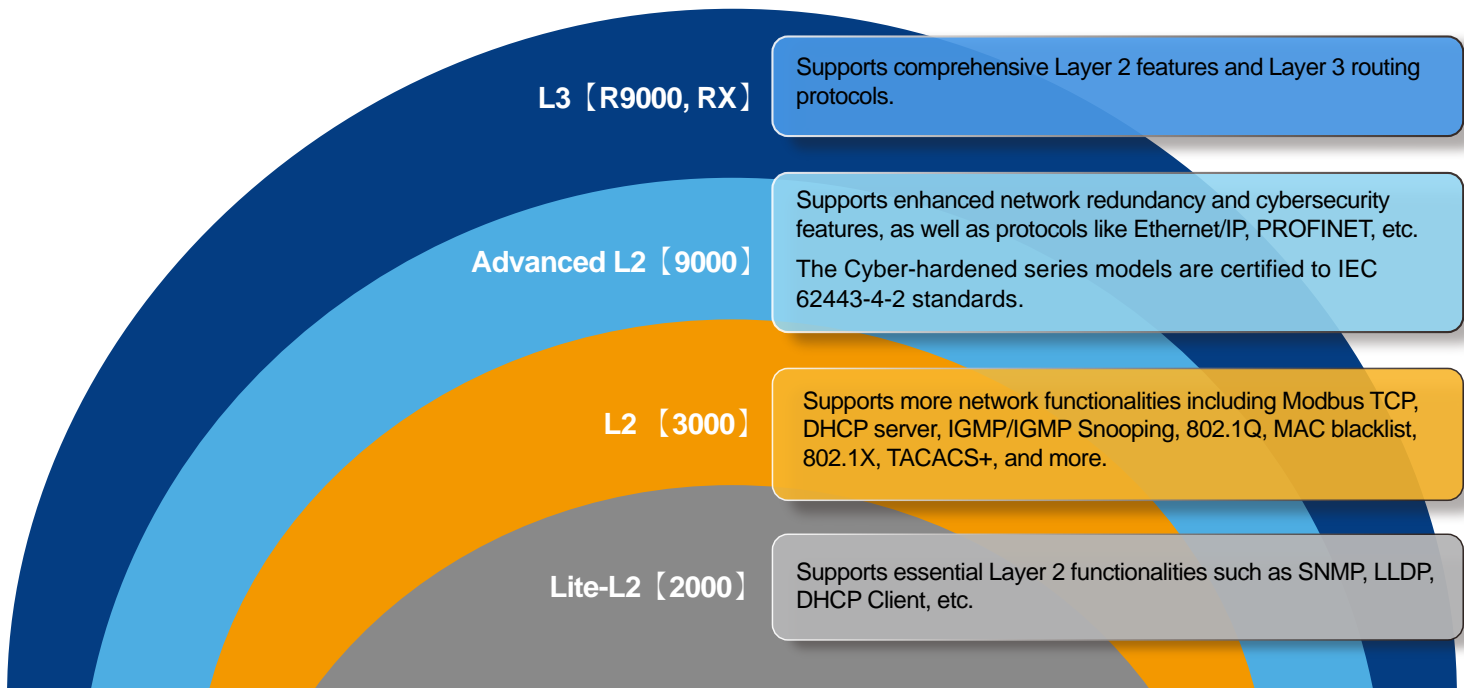
Scenario

Integrating network deployment with budget considerations is crucial, and ORing's next-generation 3000 series Ethernet switches promise significant cost savings. Their L2 functionality is designed to meet the requirements of various industrial network applications.

Device Server

Core Switch

3000 Series Ethernet Switch

PLC

RS485

PLC

HMI

PC

IP Camera

WIFI AP

WIFI AP

Managed Ethernet Switch Portfolio

L3【R9000, RX】
Supports comprehensive Layer 2 features and Layer 3 routing protocols.

Advanced L2【9000】
Supports enhanced network redundancy and cybersecurity features, as well as protocols like Ethernet/IP, PROFINET, etc.

The Cyber-hardened series models are certified to IEC 62443-4-2 standards.

L2 【3000】
Supports more network functionalities including Modbus TCP, DHCP server, IGMP/IGMP Snooping, 802.1Q, MAC blacklist, 802.1X, TACACS+, and more.

Lite-L2【2000】
Supports essential Layer 2 functionalities such as SNMP, LLDP, DHCP Client, etc.

Why ORing?

Efficient Management
Local management via webUI, Telnet, Serial Console (CLI), and support for auto topology monitoring.

Industry-Proven
The 3000-series are compliant with industry standards to ensure reliability for industrial applications.

Intelligent PoE
Supports PoE features such as PoE boot delay, Auto PD status checking, port priority and PoE scheduling.

Modbus TCP
Seamless integration into SCADA and PLC networks.

5-year Warranty
Providing peace of mind and operational efficiency throughout its lifespan.

Application

ITS   **Factory Automation**   **Smart City**   **IP Surveillance**

About ORing

Founded in 2005, ORing specializes in innovative industrial-grade products. With extensive experience in wired and wireless network communications, ORing provides high-quality products and excellent customer services for diverse sectors including factory automation, ITS, IP surveillance, railway, power utility, IIoT, and new energy, with global offices for real-time customer support.

Power Utilities   **Manufacturing**   **IP Surveillance**   **IIOT**

ITS   **Railway**   **In-Vehicle**   **ESG & Net Zero**

The Next-Generation 3000 Series at a Glance

	IES-3082GP-LA	IES-3164GP-LA	IGS-C3042GP	IGS-C3082GP	IGS-3084GP-LA	IGS-3164GP-LA
Interface						
Port Number	**10**	**20**	**6**	**10**	**12**	**20**
10/100Base-T(X)	8	16				
10/100/1G Base-T(X)			4	8	8	16
100/1G Base-X SFP	2	4			4	4
100/1G/2.5G Base-X SFP			2	2		
PoE (10/100/1000Mbps)						
Relay Alarm						
Console	●	●	●	●	●	●
PoE						
IEEE 802.3af/at						
PoE Power Budget						
Network Redundancy						
O-Ring/O-Chain	●	●	●	●	●	●
RSTP/MSTP	●	●	●	●	●	●
MRP	●	●	●	●	●	●
G.8032			●	●		
Network Management						
VLAN	●	●	●	●	●	●
SNMP	●	●	●	●	●	●
Security	●	●	●	●	●	●
Diagnostics			●	●		
Traffic Control	●	●	●	●	●	●
Port Trunk	●	●	●	●	●	●
IEEE 1588 PTP						
Server			●	●		
Client			●	●		
Industrial Protocol						
Modbus TCP	●	●	●	●	●	●
Physical						
Housing	IP-30	IP-30	IP-40	IP-40	IP-30	IP-30
Dimension (D x W x H) mm	107 x 54.3 x 145	125 x 76 x 145	110 x 52 x 140	110 x 52 x 140	130 x 48 x 144	126 x 50 x 146
DIN Rail Kit	●	●	●	●	●	●
Redundant Power						
12-48VDC	●	●	●	●	●	●
24-36VDC						
50-57VDC						
Operating Temperature						
-40 to 75°C	●	●	●	●	●	●
Certificate						
CE/ FCC	●	●	●	●	●	●
Safety	EN 62368-1	EN 62368-1			EN 62368-1	EN62368-1
Warranty				5 years		

The Next-Generation 3000 Series at a Glance

	IGPS-C3082GP	IGPS-3084GP-LA	IGPS-3164GP-LA	RGS-3244GP	RGPS-3244GP-P
Interface					
Port Number	10	12	20	28	28
10/100Base-T(X)					
10/100/1G Base-T(X)				24	
100/1G Base-X SFP		4	4	4	4
100/1G/2.5G Base-X SFP	2				
PoE (10/100/1000Mbps)	8	8	16		24
Relay Alarm	1			1	1
Console	●	●	●	●	●
PoE					
IEEE 802.3af/at	●	●			
PoE Power Budget	240 Watts	150 Watts	150 Watts		360 Watts
Network Redundancy					
O-Ring/O-Chain	●	●	●	●	●
RSTP/MSTP	●	●	●	●	●
MRP	●	●	●	●	●
G.8032	●				
Network Management					
VLAN	●	●	●	●	●
SNMP	●	●	●	●	●
Security	●	●	●	●	●
Diagnostics	●				
Traffic Control	●	●	●	●	●
Port Trunk	●	●	●	●	●
IEEE 1588 PTP					
Server	●				
Client	●				
Industrial Protocol					
Modbus TCP	●	●	●	●	●
Physical					
Housing	IP-30	IP-30	IP-30	IP-30	IP-30
Dimension (D x W x H) mm	130 x 48 x 144	126 x 50 x 146	126 x 50 x 146	230 x 440 x 44.4	350 x 465 x 44.4
DIN Rail Kit	●	●	●		
Rack Mount				●	●
Redundant Power					
12-48VDC					
48-57VDC	●	●	●		
85-264VAC/100-300VDC				●	●
Operating Temperature					
-40 to 75°C	●	●	●	●	●
Certificate					
CE/ FCC	●	●	●	●	●
Safety		EN62368-1	EN 62368-1	EN 62368-1	EN 62368-1
Warranty	5 years				