

Industrial L2/L3 Modular Ethernet Switch



RGS-PR9000-A

Industrial Layer-3 IEC 61850-3 modular rack mount managed Gigabit Ethernet switch with 4x10G, and 3x8-ports slots

- Support Routing protocol: static routing, RIP, OSPF, DVMRP, PIM-SM
- Support VRRP for router redundancy
- Support backup unit device DBU-01 to quickly configuration backup/restore
- Modular designed makes network planning easy

RGS-P9000/PR9000

IEC 61850-3 Layer-2/3 24G+4-10G Port IEEE 1588v2 Modular Managed Switch

- O-Ring & O-Chain (recovery time < 30 ms) supported
- Hardware based IEEE 1588v2 PTP supported
- Isolated redundant power inputs with universal 100/240VAC or 36~72VDC inputs



Industrial DIN-Rail Managed Gigabit Ethernet Switch

IGS-9042GP

Industrial 6-port managed Gigabit Ethernet switch

- Supports IEEE 1588v2 clock synchronization
- Supports IPv6 new internet protocol version
- Supports Modbus TCP protocol
- Support DBU-01 backup unit device to quickly backup/restore configuration.



IGS-9122GPM

EN50155 modular managed Gigabit Ethernet switch with 12x10/100/1000Base-T(X) and 2x100/1000Base-X, SFP socket, 3 module extender slots

- Din-Rail, Modular designed and Hot-swappable make network planning easy.
- Support IEEE 802.3az Energy-Efficient Ethernet technology.
- Support DBU-01 backup unit device to quickly backup/restore configuration.

IGS-9080

Industrial 8-port managed Gigabit Ethernet switch

- Supports IEEE 1588v2 clock Synchronization
- Supports IPv6 new internet protocol version
- Supports Modbus TCP protocol
- Support DBU-01 backup unit device to quickly backup/restore configuration.



IGS-9164GF/FX

Industrial 20-port managed Gigabit Ethernet switch

- O-Chain allow multiple redundant network rings
- Supports IEEE 1588v2 clock Synchronization
- Supports IPv6 new internet protocol version
- Support DBU-01 backup unit device to quickly backup/restore configuration.

IGS-9168GP

Industrial 24-port managed Gigabit Ethernet switch

- Supports IEEE 1588v2 clock Synchronization
- Supports Modbus TCP protocol
- Provided HTTPS/SSH protocol to enhance network security
- Support DBU-01 backup unit device to quickly backup/restore configuration.



IGS-9812GP

Industrial 8G+12G SFP Managed Ethernet Switch

- O-Ring & O-Chain (recovery time < 30 ms) supported
- IEEE 1588v2 clock synchronization supported
- IEEE 802.3az Energy Efficient Ethernet Technology supported
- Support DBU-01 backup unit device to quickly backup/restore configuration.

Industrial Full Managed Gigabit PoE Ethernet Switch

RGPS-92222GCP

Industrial Rack mount 22G+2G SFP+2G Combo Managed Ethernet Switch

- Fully compliant with IEEE 802.3af/at standard
- Support PoE scheduled configuration and PoE auto-ping check function
- IEEE 1588v2 clock synchronization supported



RGPS-R9244GP+-P

Industrial Layer-3 28-port managed Gigabit PoE Ethernet switch

- Supports Layer 3 static routing, RIP and VRRP function
- 24 port P.S.E. fully compliant with IEEE802.3at standard, provide up to 30 Watts per port
- Supports hardware IEEE 1588v2 clock synchronization



IGPS-9042GP-24V

Industrial DIN Rail 4G PoE+2G SFP Managed Ethernet Switch

- Fully compliant with IEEE 802.3af/at standard
- O-Ring & O-Chain (recovery time < 30 ms) supported
- IEEE 1588v2 clock synchronization supported



IGPS-9080(-24V)

Industrial DIN Rail 8G PoE Managed Ethernet Switch

- Fully compliant with IEEE 802.3af/at standard
- Support PoE scheduled configuration and PoE auto-ping check function
- IEEE 1588v2 clock synchronization supported



IGPS-9842GTP(-24V)

Industrial DIN Rail 8G PoE+4G+2G SFP Managed Ethernet Switch

- O-Ring & O-Chain (recovery time < 30 ms) supported
- Fully compliant with IEEE 802.3af/at standard
- Advanced PoE power boost technology to support dual 24VDC power inputs
- IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic



IGPS-9084GP

Industrial DIN Rail 8G PoE+4G SFP Managed Ethernet Switch

- Fully compliant with IEEE 802.3af/at standard
- O-Ring & O-Chain (recovery time < 30 ms) supported
- IEEE 1588v2 clock synchronization supported



- Full Gigabit Network Performance
- Rugged Industrial-Grade Hardware Design
- Wide Temperature Range for Harsh Environments
- Reliable Redundancy and Network Security
- Extensive Selection of Cost-Effective Full Gigabit Switches

Industrial Gigabit 90Watts PoE+ Ethernet Accessories



INJ-102GT++(-24V)

Industrial 2-port Gigabit High Power Plus PoE Injector

- Fully compliant with IEEE802.3at/802.3af standard
- Auto protection for Over Voltage Power Input and over current output
- Supports totally Power Output up to 90Watts
- Supports Power Input range from 50-57VDC/24-50VDC



PET-102GT++

Industrial 2-port Gigabit High Power PoE++ Extender

- Support 1 port PoE P.D. input to 2 port POE P.S.E output with 10/100/1000Base-T(X) for power and data extender
- Support P.S.E. based on IEEE 802.3af/at standard
- PoE P.D. input support 90watts max.
- PoE P.S.E. output support 90watts max. per port
- Multiple unit , daisy-chain installation support

Cost Effective Unmanaged Gigabit PoE Ethernet Switch



IGPS-1411GTP(A)(-24V)

Industrial 6-port slim type unmanaged Gigabit PoE Ethernet switch

- Support 4x10/100/1000Base-T(X) P.S.E., 1x10/100/1000Base-T(X) and 1x100/1000Base-X, SFP socket
- Supports P.S.E. based on IEEE 802.3at standard up to 30 Watts per port
- SFP port supports 100Base-FX and 1000Base-X speed
- Supports jumbo frame up to 9Kbytes
- Supports flow control
- Supports store and forward transmission



IGPS-1080(A)(-24V)

Industrial 8-port slim type unmanaged Gigabit PoE Ethernet switch







- Support 8x10/100/1000Base-T(X) P.S.E.
- Support P.S.E. based on IEEE 802.3at standard up to 30 Watts per port
- Supports jumbo frame up to 9Kbytes
- Support full/half duplex transmission
- Support store and forward transmission
- Support flow control

Leading the New Generation Industrial Networking

Industrial Gigabit / PoE Ethernet Switch









Product Selection Guide







	Industrial Rack-Mount Modular Ethernet Switch		Industrial DIN-Rail Gigabit PoE Ethernet Switch		Industrial PoE Ethernet Accessories	
	Managed Switch	Unmanaged Switch	Unmanaged Switch		Accessories	
Industrial Ethernet Switch						
	RGS-PR9000-A	RGS-P9000/PR9000	IGPS-1411GTP(A)(-24V)	IGPS-1080(A)(-24V)	INU-102GT++(-24V)	PET-102GT++
Port Number						
Number of ports	Max:28	Max:28	6	8	2 Sets	3
10/100Base-T(X) RJ45 Ports	-	-	-	-	-	-
10/100/1000Base-T(X) Ports	-	-	4 (P.S.E.) + 1 IEEE 802.3at	8 (P.S.E.) IEEE 802.3 at	2+2 (P.S.E.)	2 (P.S.E.)+1(PD.) IEEE 802.3 at
100/1000Base-X F SFP Fiber Ports	-	-	1	-	-	-
Power Interface						
DC Input	2 (-LV model)	2 (-LV model)	2	2	1	1
AC Input	2 (-HV model)	2 (-HV model)	-	-	-	-
Operating Voltage	-HV:100-240VAC -LV:36-72VDC	-HV:100-240VAC -LV:36-72VDC	50-57VDC	12-57VDC	50-57VDC	12-57VDC
PoE Output Power	-	-	30 Watts per port	30 Watts per port	90 Watts per port	90 Watts in total
Installation						
DIN-Rail Mounting	-	-	•	•	•	•
Wall Mounting	-	-	•	•	•	•
Rack Mounting	•	•	-	-	-	-
Physical Characteristics						
Casing Protection	IP-30	IP-30	IP-30	IP-30	IP-30	IP-30
Dimensions (mm)	440(W) x 325(D) x 44(H)	443.7(W) x 330(D) x 44(H)	26.1(W)x94.9(D) x144.3(H)	41(W)x94.9(D) x144.3(H)	26.1(W)x94.9(D) x144.3(H)	41(W)x70(D) x115(H)
Operating Temperature						
-20 to 60°C	•	-	-	-	-	-
-20 to 70°C	-	-	-	-	•	•
-40 to 70°C	-	-	•	•	-	-
-40 to 85°C	-	•	-	-	-	-
Network Redundancy						
0-Ring	•	•	-	-	-	-
Open-Ring	•	•	-	-	-	-
0-Chain	•	•	-	-	-	-
MRP*Note	-	-	-	-	-	-
MSTP(RSTP/STP Compatible)	•	•	-	-	-	-
Management and Control						
Layer3 Switching	•	-	-	-	-	-
802.1X	•	•	-	-	-	-
Rate Limit	•	•	-	-	-	-
Port Mirror	•	•	-	-	-	-
Port Security	•	•	-	-	-	-
IGMP v2/v3	•	•	-	-	-	-
QoS Port Base/COS/TOS	•	•	-	-	-	-
Port Trunk Static/LACP	•	•	-	-	-	-
LLDP	•	•	-	-	-	-
Static Routing	•	-	•	-	-	-
IEEE 1588v2	•	•	-	-	-	-
System Alarm	Relay/SYSLOG / SNMP Trap	Relay/SYSLOG / SNMP Trap	Relay	Relay	-	-
DHCP	Server / Client / Relay	Server / Client / Relay	-	-	-	-
VLAN	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	-	-	-	-
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	-	-	-	-
Warranty	5 years					

*Note : Availability by request

Product Selection Guide

	Industrial DIN-Rail Gigabit Ethernet Switch					
	Managed Switch					
Industrial Ethernet Switch						
	IGS-9812GP	IGS-9168GP	IGS-9122GPM	IGS-9080(-24V)	IGS-9042GP	IGS-9164GF/FX
Port Number						
Number of ports	20	24	Max:26	8	6	20
10/100/1000Base-T(X) Ports	8	16	12	8	4	16
100Base-FX Fiber Ports	-	-	Optional	-	-	4(Multi/Single Mode)
1000Base-X Fiber Ports	-	-	Optional	-	-	4(Multi/Single Mode)
100/1000Base-X F SFP Fiber Ports	12	8	2+Optional	-	2	-
Power Interface						
DC Terminal Block	2	2	2	2	2	2
DC Power Jack	-	-	-	-	-	-
Operating Voltage	12-48VDC	12-48VDC	12-48VDC	50-57VDC	12-57VDC	12-48VDC
Output Power	-	-	-	-	-	-
Installation						
DIN-Rail Mounting	•	•	•	•	•	•
Wall Mounting	•	•	•	•	•	•
Rack Mounting	-	-	-	-	-	-
Physical Characteristics						
Casing Protection	IP-30	IP-30	IP-30	IP-30	IP-30	IP-30
Dimensions (mm)	96.4(W)x105.5(D)x154(H)	96.4(W)x105.5(D)x154(H)	190(W)x155(D)x150(H)	54.3(W)x108.5(D)x145.1(H)	54.3(W)x108.5(D)x145.1(H)	96.4(W)x105.5(D)x154(H)
Operating Temperature						
-20 to 60°C	-	-	-	-	-	-
-20 to 70°C	-	-	-	-	-	-
-40 to 75°C	•	•	•	•	•	•
-40 to 85°C	-	-	-	-	-	-
Network Redundancy						
0-Ring	•	•	•	•	•	•
Open-Ring	•	•	•	•	•	•
0-Chain	•	•	•	•	•	•
MRP*Note	•	•	•	•	•	•
MSTP(RSTP/STP Compatible)	•	•	•	•	•	•
Management and Control						
802.1X	•	•	•	•	•	•
Rate Limit	•	•	•	•	•	•
Port Mirror	•	•	•	•	•	•
Port Security	•	•	•	•	•	•
IGMP v2/v3	•	•	•	•	•	•
QoS Port Base/COS/TOS	•	•	•	•	•	•
Port Trunk Static/LACP	•	•	•	•	•	•
LLDP	•	•	•	•	•	•
IEEE 1588v2	•	•	•	•	•	•
System Alarm	SYSLOG/ SNMP Trap / Relay	SYSLOG/ SNMP Trap / Relay	SYSLOG/ SNMP Trap / Relay	SYSLOG/ SNMP Trap / Relay	SYSLOG/ SNMP Trap / Relay	SYSLOG/ SNMP Trap / Relay
DHCP	Server / Client/ Relay	Server / Client/ Relay	Server / Client/ Relay	Server / Client/ Relay	Server / Client/ Relay	Server / Client/ Relay
VLAN	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)
Warranty	5 years					

Product Selection Guide

	Industrial 9000 Series Gigabit PoE Ethernet Switch					
	Managed Rack-Mount Switch	Unmanaged Switch				
Industrial Ethernet Switch						
	RGPS-92222GCP-NP-/LP-/P Series	RGPS-R9244GP+LP-/P	IGPS-9042GP-24V	IGPS-9080(-24V)	IGPS-9842GTP(-24V)	IGPS-9084GP
Port Number						
Number of ports	26	28	6	8	14	12
10/100Base-T(X) RJ45 Ports	-	-	-	-	-	-
10/100/1000Base-T(X) Ports	22 (P.S.E.) IEEE 802.3 at (max.720/320/720 Watts)	24 (P.S.E.) IEEE 802.3 at (max.360/720 Watts)	4 (P.S.E.) IEEE 802.3 at	8 (P.S.E.) IEEE 802.3 at (max.240 /120 Watts)	4+8 (P.S.E.) IEEE 802.3 at (max.240 /120 Watts)	8 (P.S.E.) IEEE 802.3 at
100Base-FX Fiber Ports	-	-	-	-	-	-
10G SFP+ Fiber Ports	-	4	-	-	-	-
Gigabit Combo Ports	2(P.S.E.)	-	-	-	-	-
100/1000Base-X F SFP Fiber Ports	2	4 (1000Base-X)	2	-	2	4
Power Interface						
DC Terminal Block	1	-	2	2	2	2
DC Power Jack	-	-	-	-	-	-
AC Power Cord	-	1	1	1	-	-
Installation						
DIN-Rail Mounting	-	-	•	•	•	•
Wall Mounting	-	-	•	•	•	•
Rack Mounting	•	•	-	-	-	-
Physical Characteristics						
Casing Protection	IP-30	IP-30	IP-30	IP-30	IP-30	IP-30
Dimensions (mm)	431(W) x 342(D) x 44(H)	431(W) x 342(D) x 44(H)	54.1(W)x106.1(D)x145.4(H)	54.1(W)x106.1(D)x145.4(H)	74.3(W)x109.2(D)x153.6(H)	96.4(W)x105.5(D)x154(H)
Operating Temperature						
-20 to 60°C	-	•	-	-	-	-
-40 to 60°C	•	-	-	-	-	-
-40 to 75°C	-	•	-	-	-	-
Network Redundancy						
0-Ring	•	•	•	•	•	•
Open-Ring	•	•	•	•	•	•
0-Chain	•	•	•	•	•	•
MRP*Note	•	•	•	•	•	•
MSTP(RSTP/STP Compatible)	•	•	•	•	•	•
Management and Control						
802.1X	•	•	•	•	•	•
Rate Limit	•	•	•	•	•	•
Port Mirror	•	•	•	•	•	•
Port Security	•	•	•	•	•	•
IGMP v2/v3	•	•	•	•	•	•
QoS Port Base/COS/TOS	•	•	•	•	•	•
Port Trunk Static/LACP	•	•	•	•	•	•
LLDP	•	•	•	•	•	•
IEEE 1588v2	•	•	•	•	•	•
System Alarm	SYSLOG / SNMP Trap	SYSLOG / SNMP Trap	SYSLOG / SNMP Trap / Relay	SYSLOG / SNMP Trap / Relay	SYSLOG / SNMP Trap / Relay	SYSLOG / SNMP Trap / Relay
DHCP	Server / Client	Server / Client	Server / Client / Relay	Server / Client / Relay	Server / Client / Relay	Server / Client / Relay
VLAN	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q	Port-Based / 802.1Q / Q-in-Q
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)	WEB / Windows Utility / SNMP v1,v2c,v3 / Telnet / Console(CLI)
Warranty	5 years					



3F., No.542-2, Zhongzheng Rd., Xindian Dist., New Taipei City 23148, Taiwan
 Tel: +886-2-2218-1066 Fax: +886-2-2218-1014
 Email:sales@ORing-Networking.com www.ORingnet.com