

Industrial L2/L3 Modular Ethernet Switch



RGS-P9000/PR9000

Industrial Layer-2/3 IEC 61850-3 modular rack mount managed Gigabit Ethernet switch with 4x10G, and 3x8-ports slots

- Supports Layer 3 static routing, RIP and VRRP function
- 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



RGS-PR9000-A

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

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

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
- Supports DBU-01 backup unit device to quickly backup/restore configuration.



IGS-R9164GP+

Industrial Layer-3 20-port managed Gigabit Ethernet switch with 16x10/100/1000Base-T(X) and 4x1G/10GBase-X, SFP+ socket

- Supports Layer 3 static routing, RIP and VRRP function
- O-Ring & O-Chain (recovery time < 30 ms) supported
- Supports IEEE 802.3az Energy-Efficient Ethernet technology.
- Supports 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
- Supports 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
- Supports 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
- Supports 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
- Supports DBU-01 backup unit device to quickly backup/restore configuration.

Cost Effective Unmanaged Gigabit PoE Ethernet Switch

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

Industrial 6-port slim type unmanaged Gigabit PoE Ethernet switch

- Supports 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

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

Industrial Full Managed Gigabit PoE Ethernet Switch



RGPS-92222GCP

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

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



IGPS-9084GP(-60W)

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

- Fully compliant with IEEE 802.3at/af standard
- IGPS-9084GP-60W supports preliminary IEEE 802.3bt standard up to 60W per port
- O-Ring & O-Chain (recovery time < 30 ms) supported
- 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 802.3at/af standard
- Advanced PoE power boost technology to supports dual 24VDC power inputs
- IGMP v2/v3 (IGMP snooping supports) for filtering multicast traffic



Industrial Gigabit High Power PoE+ Ethernet Accessories

INJ-102GT++(-24V)

Industrial 2-port Gigabit High Power PoE++ Injector

- Fully compliant with IEEE802.3at/af 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



INJ-101GT++-60W

Industrial 1-port Gigabit High Power PoE++ Injector

- PoE++ Injector for 1x10/100/1000Base-T(X)
- 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 60Watts for all ports usage.
- Provided DIP switch configurator for PoE mode management



SPL-101GT++-12V

Industrial 1-port Gigabit PoE Splitter, 60Watts Output

- Fully compliant with IEEE802.3at/af standard
- Supports 10/100/1000Base-T(X) for PoE In and Data Out
- Supports PoE P.D input up to 90Watts
- Power Isolation and Short Circuit Protection for Power Output
- Auto protection for Over Voltage Power Input



PET-102GT++

Industrial 2-port Gigabit High Power PoE++ Extender

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



IPMC-111PB+-60W

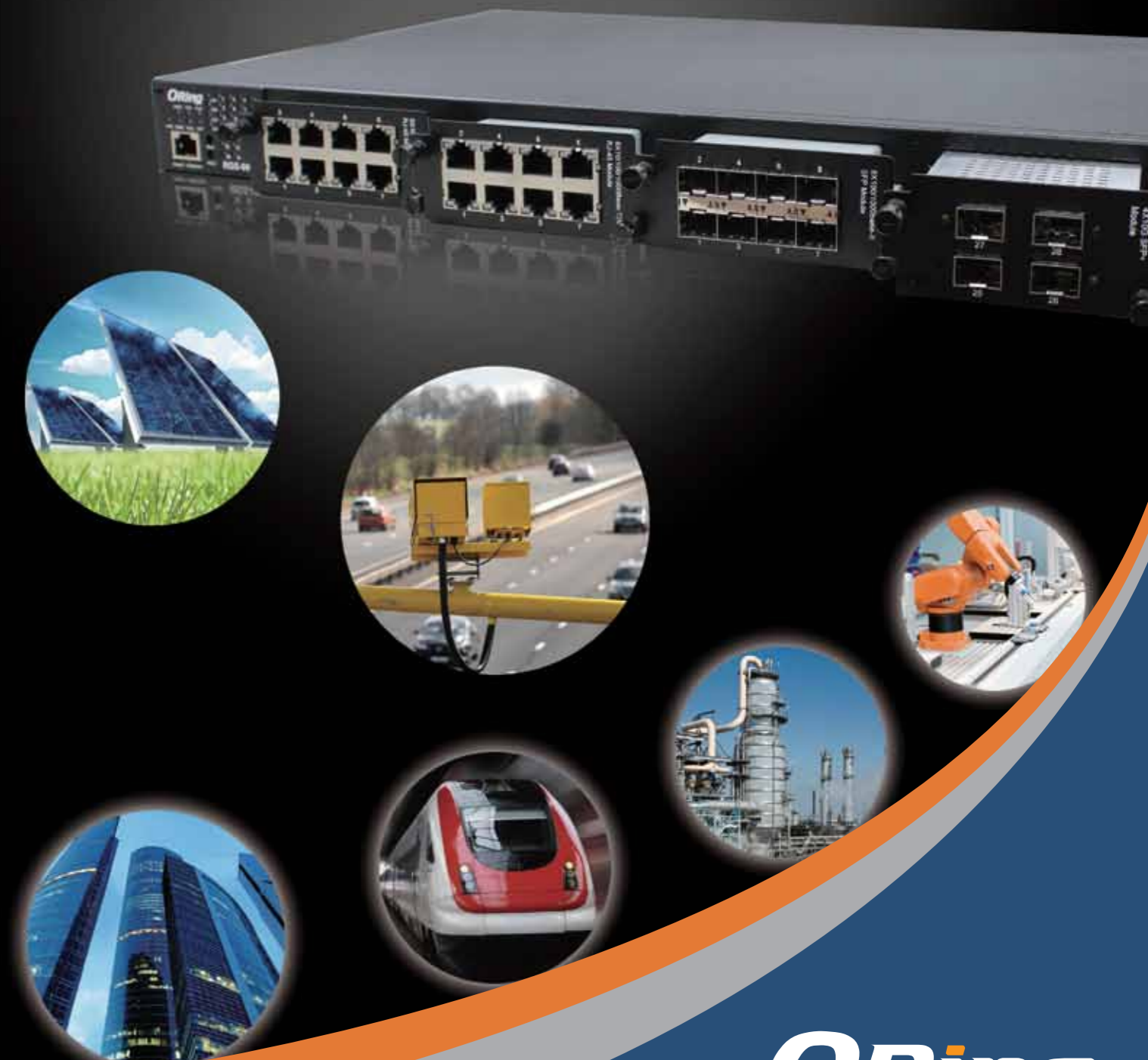
Industrial mini type Ethernet to fiber High power PoE++ media converter with 1x10/100Base-T(X) P.S.E. and 1x100Base-FX, SFP socket

- Supports Ethernet to fiber or Ethernet to SFP port
- Supports LFP (Link Fault Pass-through) function
- Supports full/half duplex operation
- P.S.E. fully compliant with IEEE802.3at standard, provide up to 60Watts



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		Accessories							
Industrial Ethernet Switch												
	RGS-PR9000-A/PR9000		IGPS-1411GTP(A)(-24V)	IGPS-1080(A)(-24V)	INU-101GT++-60W	INU-102GT++(-24V)	PET-102GT++					
Port Number	Max:28		6		8		1		2 Sets		3	
Number of ports	-		-		-		-		-		-	
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		1+1 (P.S.E.) IEEE 802.3 bt		2+2 (P.S.E.) IEEE 802.3 bt		2 (P.S.E.)+1(P.D.) IEEE 802.3 bt	
100/1000Base-X F SFP iber Ports	-		1		-		-		-		-	
Power Interface												
DC Input	2 (-LV model)		2		2		1		1		1	
AC Input	2 (-HV model)		-		-		-		-		-	
Operating Voltage	-HV:100-240VAC -LV:36-72VDC		50-57VDC 12-57VDC		50-57VDC 12-57VDC		50-57VDC		50-57VDC		24-50VDC	
PoE Output Power	-		30 Watts per port		30 Watts per port		60 Watts		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)	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) x94.9(D) x144.3(H)	26.1(W)x70(D)x95(H)	26.1(W)x70(D)x95(H)	41(W)x70(D)x95(H)	41(W)x75(D)x115(H)	
Operating Temperature												
-20 to 60°C	•		-		-		-		-		-	
-20 to 70°C	-		-		-		-		-		•	
-40 to 70°C	-		•		•		-		-		-	
-40 to 75°C	-		-		-		-		-		•	
Network Redundancy												
0-Ring	•		-		-		-		-		-	
Open-Ring	•		-		-		-		-		-	
0-Chain	•		-		-		-		-		-	
MRP*Note	-		•		-		-		-		-	
MSTP(RSTP/STP Compatible)	•		-		-		-		-		-	
Management and Control												
Advanced Layer3 Switching	•		-		-		-		-		-	
Static Routing	•		-		-		-		-		-	
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	Relay/SYSLOG / SNMP Trap		Relay		Relay		-		-		-	
DHCP	Server / Client / Relay		-		-		-		-		-	
VLAN	Port-Based / 802.1Q / Q-in-Q		-		-		-		-		-	
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3 /Telnet /Console(CLI)		-		-		-		-		-	
Warranty											5 years	

*Note : Availability by request

Product Selection Guide

	Industrial 9000 Series Gigabit PoE Ethernet Switch					
	Managed Rack-Mount Switch			Managed DIN-Rail 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(-60W)
Port Number	26			28		
Number of ports	-			-		
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)		
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)		
Power Interface						
DC Terminal Block	1			2		
AC Power Cord	-			-		
Operating Voltage	50-57 VDC 100-240VDC			12-57VDC 50-57VDC 12-57VDC		
PoE Output Power	30 Watts per port			30 Watts per port		
Installation						
DIN-Rail Mounting	-			•		
Wall Mounting	-			•		
Rack Mounting	•			•		
Physical Characteristics						
Casing Protection	IP-30			IP-30		
Dimensions (mm)	431(W) x 342(D) x 44(H)			431(W) x 342(D) x 44(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						
Static Routing	-			•		
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 / Relay		
DHCP	Server / Client			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



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Product Selection Guide

	Industrial DIN-Rail Gigabit Ethernet Switch					
	Managed Switch					
Industrial Ethernet Switch						
	IGS-9812GP	IGS-9168GP	IGS-R9164GP+	IGS-9080	IGS-9042GP	IGS-9164GF/FX
Port Number	20					
Number of ports	-					
10/100/1000Base-T(X) Ports	8					
100Base-FX Fiber Ports	-					
1000Base-X Fiber Ports	-					
100/1000Base-X F SFP Fiber Ports	12					
10G SFP Fiber Ports	-					
Power Interface						
DC Terminal Block	2					
Operating Voltage	12-48VDC					
PoE Output Power	-					
Installation						
DIN-Rail Mounting	•					
Wall Mounting	•					
Rack Mounting	-					
Physical Characteristics						
Casing Protection	IP-30					
Dimensions (mm)	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					
DHCP	Server / Client / Relay					
VLAN	Port-Based / 802.1Q / Q-in-Q					
Management / Configuration	WEB / Windows Utility / SNMP v1,v2c,v3 /Telnet /Console(CLI)					
Warranty	5 years					

*Note : Availability by request