

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-R9004GP+_ME

Industrial Layer-3 modular rack mount managed Gigabit Ethernet switch with 4x10G, and 6x8-ports slots

- Supports Layer 3 static routing, RIP and VRRP function
- O-Ring & O-Chain (recovery time < 30 ms) supported
- 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-9084GP-LA

Industrial Slim 12-port managed Gigabit Ethernet switch

- Supports 8x10/100/1000Base-T(X) ports and 4x100/1000Base-X, SFP socket, Generic version
- Support Modbus TCP protocol
- Support IEEE 802.3az Energy-Efficient Ethernet technology
- Provided HTTPS/SSH protocol to enhance network security



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-9822DGP+

Industrial 12-port layer2 managed Gigabit Ethernet switch

- Supports 8x10/100/1000Base-T(X) ports and 2x100/1G/2.5GBase-X+2x1G/10GBase-X, SFP+ socket
- Supports O-Ring(recovery time < 30ms) andMSTP(RSTP/STP compatible) for Ethernet Redundancy
- Supports IPv6 new internet protocol version
- Supports IEEE 1588v2 clock synchronization



IGS-R9812GP

Industrial Layer-3 20-port managed Gigabit Ethernet switch

- Supports 8x10/100/1000Base-T(X) ports and 12x100/1000Base-X, SFP socket
- Supports Layer 3 routing, RIP and static routing function
- Supports O-Ring (recovery time < 30ms over 250 units of connection) and MSTP(RSTP/STP compatible) for Ethernet Redundancy
- O-Chain allow multiple redundant network rings



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-1082GP-24V

Industrial 10-port unmanaged Gigabit PoE Ethernet switch

- Supports 8 ports IEEE 802.3at compliant PoE and total power budget is 120W with maximum 30W per port of 24V model
- Supports up to 9.6K Bytes Jumbo Frame
- Supports up to 4Mbit Packet buffer
- Supports auto-negotiation and auto-MD/MDI-X
- Supports store and forward transmission

Industrial Full Managed Gigabit PoE Ethernet Switch



RGPS-92222GCP-NP(-P)(-LP)

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
- 24 port P.S.E. fully compliant with IEEE802.3at/af standard, provide up to 30 Watts per port



IGPS-9822DGP+

Industrial 12-port layer2 managed Gigabit PoE Ethernet switch

- Provide 8x10/100/1G Base-T(X) P.S.E. ports and 2x100/1G/2.5GBase-X + 2x1G/10GBase-X SFP+
- Support IPv6 new internet protocol version
- Provided HTTPS/SSH protocol to enhance network security
- Support total power budget up to 240W



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

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-9084GP-LA

Industrial Slim 12-port managed Gigabit PoE Ethernet switch

- Supports 8x10/100/1000Base-T(X) P.S.E. ports and 4x100/1000Base-X, SFP socket, Generic version
- Slim type and Rugged enclosure design
- Supports PoE on/off scheduled configuration
- Support total power budget up to 240W



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 totallyPower 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



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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-R9004GP+_ME/PR9000/RGS-P9000		IGPS-1411GTP(A)-(-24V)		IGPS-1082GP(-24V)	INU-101GT++-60W	INU-102GT++(-24V)	PET-102GT++	
Port Number	Max:52		Max:28		6	10	1	2 Sets	
Number of ports	Max:52		Max:28		6	10	1	2 Sets	
10/100Base-T(X) RJ45 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	
10/100/1000Base-T(X) Ports	-		-		1	-	-	2 (P.S.E.)+1(P.D.) IEEE 802.3 bt	
100/1000Base-X F SFP Fiber Ports	-		-		-	-	-	-	
Power Interface									
DC Input	2 (-LV model)		2		2	1	1	1	
AC Input	2 (-HV model)		-		-	-	-	-	
Operating Voltage	-HV:100-240VAC		-HV:100-240VAC -LV:36-72VDC		50-57VDC 12-57VDC	50-57VDC 12-57VDC	50-57VDC	24-50VDC 50-57VDC	
PoE Output Power	-		30 Watts per port		30 Watts per port	60 Watts	90 Watts per port	90 Watts in total 90 Watts per port	
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)	444.5(W) x 421(D) x 87(H)		443.7(W) x 330(D) x 44(H)		443.7(W) x 330(D) x 44(H)	26.1(W) x 94.9(D) x 144.3(H)	41(W) x 94.9(D) x 144.3(H)	54.3(W) x 108.3(D) x 145.1(H)	26.1(W) x 70(D) x 95(H)
Operating Temperature									
-20 to 60°C	•		-		-	-	-	-	
-20 to 70°C	-		-		-	-	•	•	
-40 to 70°C	-		•		-	-	-	-	
-40 to 75°C	-		-		•	•	-	-	
Network Redundancy									
O-Ring	•		-		-	-	-	-	
O-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	Relay/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

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-9822DGP+	IGPS-9084GP-LA
Port Number	26		28		12	12
Number of ports	26		28		12	12
10/100Base-T(X) RJ45 Ports	-		-		8 (P.S.E.) IEEE 802.3 at (max.720/320/720 Watts)	8 (P.S.E.) IEEE 802.3 at (max.360/720 Watts)
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)		8 (P.S.E.) IEEE 802.3 at (max.240W /30W per port)	8 (P.S.E.) IEEE 802.3 at (max.240W /120 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)		4	2
Power Interface						
DC Terminal Block	1		-		2	2
AC Power Cord	-		1		-	-
Operating Voltage	50-57 VDC		100-240VDC		100-240VDC	50-57VDC
PoE Output Power	30 Watts per port		30 Watts per port		30 Watts per port	30 Watts per port
Installation						
DIN-Rail Mounting	-		-		•	•
Wall Mounting	-		-		•	•
Rack Mounting	•		•		-	-
Physical Characteristics						
Casing Protection	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)		74.3(W) x 125(D) x 153.6(H)	54.3(W) x 108.3(D) x 145.1(H)
Operating Temperature						
-20 to 60°C	-		•		•(10G)	-
-40 to 60°C	•		-		-	-
-40 to 75°C	-		•		•(Full Gigabit)	•
Network Redundancy						
O-Ring	•		•		•	•
O-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		SYSLOG / SNMP Trap / Relay	SYSLOG / SNMP Trap / Relay
DHCP	Server / Client		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
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)
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-R9164GP+					
Port Number	20					
Number of ports	20					
10/100/1000Base-T(X) Ports	16					
100Base-FX Fiber Ports	-					
1000Base-X Fiber Ports	-					
100/1000Base-X F SFP Fiber Ports	12					
10G SFP Fiber Ports	4					
100/1G/2.5GBase-X SFP Ports	-					
1G/10GBase-X SFP Ports	2					
Power Interface						
DC Terminal Block	2					
Operating Voltage	12-48VDC					
PoE Output Power	-					
Installation						
DIN-Rail Mounting	•					
Wall Mounting	•					
Physical Characteristics						
Casing Protection	IP-30					
Dimensions (mm)	155(W)x170(D)x154(H)					
Operating Temperature						
-20 to 60°C	•					
-20 to 70°C	-					
-40 to 75°C	•					
Network Redundancy						
O-Ring	•					
O-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