RP-IPG514-4F

8-P Gigabit PoE + 2-P Gigabit + 4-SFP(100/1G) slot Industrial Managed Switch w/ 2-Ultra 60W PoE

RP-IPG514-4F is a Managed Gigabit Ethernet switch, providing 8 10/100/1000BaseT PoE PSE ports, 2 10/100/1000BaseT ports and 4 100/1000BaseSFP

ports. It complies to IEEE 802.3at standard and able to deliver up to 30/60 watts power per port along with data on standard Ethernet cabling.

The switch can be used to power any IEEE 802.3af/at compliant PoE PD devices with PoE power management feature, which eases the deployment effort of planning PoE power budget and eliminates the need for additional wiring to reach power source.

RP-IPG514-4F supports many advanced network standards to optimize network performance, ease maintenance issues, and secure network safety . RP-IPG514-4F features remote management by SNMP, and supports management functions, e.g. 802.1Q VLAN, 802.1x access control , IGMP v1/v2, proxy & snooping , QoS functions ... etc. Auto-MDIX function is supported for every TX port of the switch for easy cable connection.

The switch with IP-30 standard metal case allows for either DIN rail or wall mounting for efficient use of cabinet space.

Features

- Provide 8 10/100/1000 BaseTX PoE ports, 2 10/100/1000 BaseTX, plus 4 100FX/1000BaseF SFP slots
- IEEE 802.3af 15.4W / IEEE 802.3at 30W (2-pairs) & 60W (4-pairs) High Power PoE
- Total PoE power budget: Max. 240W PSE power delivered
- 9K Jumbo frames
- L2 wire-speed switching engine
- 8K MAC forwarding addresses
- Network redundant LACP, Spanning tree STP, RSTP & MSTP, and quick Ring fail-over protection (< 20 ms)
- Port-based /tag-based VLAN, IEEE 802.1ad/QinQ VLAN, Add/remove VLAN tags
- Multicasting support IGMP v1/v2, proxy & snooping
- Multicast/Broadcast/Flooding Storm Control
- IEEE802.1x access control
- Per VLAN mirroring
- CLI/Web/SNMP management interfaces
- PoE PSE power management & PD power consumption monitoring
- Dual power input & Reverse power protection
- DIN-Rail and Wall mounting option

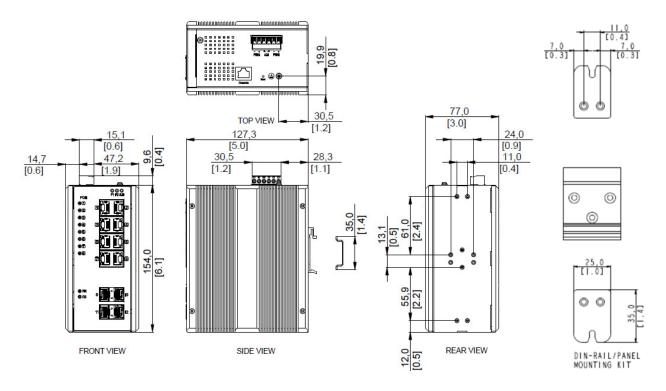


Specifications

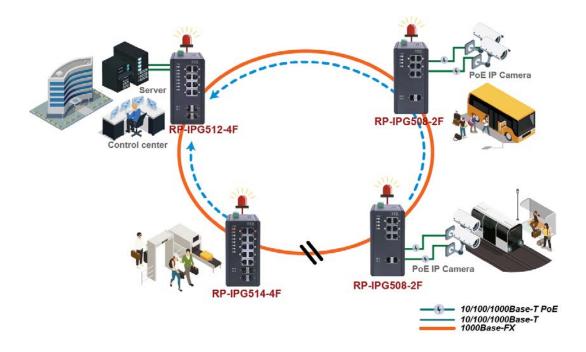
Otan danda	IEEE 000 0 40D TEll-small
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet
	IEEE 802.3z 1000Base-X Gigabit Ethernet
	IEEE802.3x Flow Control and Back Pressure
	 8 x 10/100/1000Mbps RJ45 Ports, 802.3at PoE
Interface	• 2 x 10/100/1000Mbps RJ45 Ports
	 4 x 100/1000Base SFP slots
Operating mode	 Store and forward, L2 wire-speed/non-blocking switching engine
MAC addresses	• 8K
Jumbo frames	9K Bytes
	Support straight or cross wired cables
RJ45 Ports	 10/100/1000 Mbps speed auto-negotiation; Full and half duplex
	1500 VRMS 1 minute Ethernet isolation
	Support 100FX SFP transceiver
	Support 100/1000BaseT SFP transceiver
SFP (pluggable) Ports	Fiber port connector: LC typically for fiber (depends on module)
	 Optimal fiber cable: Typical 50 or 62.5/125 μm for multimode
	(mm); Typical 8 or 9/125 μm for single mode (sm)
	Link loss recovery < 20ms
Fast failover protection rings	 Support Single & Multiple rings; Ring coupling; Dual-homing;
	Chain
Spanning Tree Protocol	 IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP
D (T) (1) (10)	Static trunk or Dynamic via LACP (Link Aggregation Control
Port Trunk with LACP	Protocol)
Flow control	IEEE 802.3x (Full Duplex) and Back-Pressure(Half Duplex)
Max VLANs	• 1024
	 Port-based VLANs; MAC-based VLANs; IP Subnet-based VLANs
	Protocol-based VLANs
VLAN Types	IEEE 802.1Q tag-based VLANs
	RADIUS-assigned VLAN
	IEEE 802.1ad Double Tagging (Q in Q)
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	 IEEE 802.1ad Double Tagging (Q in Q) IGMP v1, v2 with up to 255 multicast groups
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User Management interfaces	Cisco-like CLI (command line interface)
	WEB-based Management
	• SNMP v1, v2c & v3
	Telnet (5 sessions)
Management Security	HTTPs, SSH
	Radius Client for Management
	FTP for Configuration Import/Export,
Upgrade & Restore	FTP for Firmware Upgrade
Diagnostic	Syslog
	Per VLAN mirroring
	Ethernet Copper connection diagnostic tool
	SFP with DDM (Digital Diagnostic Monitoring)
	RFC 1757 RMON 1,2,3,9; RFC 2674 Q-Bridge MIB
MIBs	RFC-1213 MIB-II; RFC-1493 Bridge MIB; RFC 2233 IF MIB
DHCP	Client, Server, Relay, Snooping, Option 82
NTP/SNTP	Yes
System status	Device info/status; Ethernet port status; PoE status
PoE management	Scheduling; power control; PoE PD power consumption
	monitoring
Power input	Redundant Input Terminals
Power Supply	48-56 VDC (50~58V VDC for better PoE performance)
PoE output power budget	Total power budget: 240W
	Max PoE per port: 30W (Max. 60W for port 1 & port 2)
Reverse power protection	• Yes
Transient protection	 > 15,000 watts peak
	Max. 14W @48 VDC full load, without PoE
Power consumption	Max. 265W with 240W PSE power delivered
	Power input status
I ED Indicators	Link & Speed
LED Indicators	PoE Power applying
	System Alarm
Alarm relay output	Alarm relay output with current carrying capacity of 0.5A @ 24
	VDC
	Configurable alarm profile to enable Alarm LED, Alarm relay &
	SNMP traps
Housing	IP30 Protection
Installation mounting	DIN Rail mounting and Wall Mounting
Environment	 Operating temperature: -40 to +75°C (cold startup at -40°C)
	Storage temperature: -40 to +85 °C
	Humidity: 5 to 95% RH (non-condensing)
Dimension	W77 x H154 x D128 mm
Vibration, shock & freefall	• IEC68-2-6, -27, -32
Certification compliance	CE/FCC
Electrical safety	• CSA C22, EN61010-1, CE
EMC	 FCC Part 15, CISPR 22 (EN55022) Class A
- Livio	IEC61000-4-2, -3, -4, -5, -6

Dimensions



Application



Ordering information

RP-IPG514-4F 8-P Gigabit PoE + 2-P Gigabit + 4-SFP(100/1G) slot Industrial Managed Switch, w/ 2-Ultra 60W PoE (240W)