

Switch Cloud Managed PoE+ / Capa 2 / 20 Puertos Gigabit / 16 PoE+ 250 W / 2 SFP 1G / Switching 40 Gbps

SKU: RG-ES220GS-P-V2 Marca: RUIJIE Categoría: Switches PoE

Garantía: 3 años

$5,474.05

Precios con IVA incluido

DESCRIPCIÓN

El RG-ES220GS-P-V2 es un switch smart cloud administrable de Capa 2 con 20 puertos, diseñado para alimentar y conectar infraestructura de red y videovigilancia en tiendas, oficinas y hoteles. Integra 16 puertos PoE+ con un presupuesto total de 250 W, suficientes para alimentar cámaras IP, puntos de acceso inalámbrico o teléfonos IP sin requerir fuentes de alimentación adicionales. Suma 2 puertos SFP 1GE para enlaces de fibra óptica y ofrece una capacidad de switching de 40 Gbps con una tasa de forwarding de 29.76 Mpps. Su administración se realiza desde la interfaz web local (eWeb), la app Ruijie Reyee o Ruijie Cloud de forma remota, con funciones como AI Failover, modo CCTV de un clic con reconocimiento de cámaras y PoE ininterrumpido mediante watchdog y warm start. Cada puerto incorpora protección contra sobretensiones de 6 kV, y su chasis metálico permite el montaje en rack de 19 pulgadas con los soportes incluidos.

Características Generales
Tipo: Switch smart cloud administrable Capa 2 con PoE
Puertos: 18 RJ45 10/100/1000 Mbps (16 con PoE+) y 2 puertos SFP 1GE (puertos 19 y 20)
PoE: IEEE 802.3af/at, 16 puertos PoE+ con presupuesto total de 250 W
Capacidad de switching: 40 Gbps
Tasa de forwarding: 29.76 Mpps
Protección: 6 kV contra sobretensiones por puerto
Configuración: eWeb (red local), app Ruijie Reyee y Ruijie Cloud (remoto)
Funciones de gestión: AI Failover, modo CCTV de un clic con reconocimiento de cámaras, PoE watchdog y warm start
Montaje: Rack de 19 pulgadas (soportes incluidos)
Chasis: Metálico

Desempeño
Switching: 40 Gbps
Forwarding: 29.76 Mpps
Arquitectura Capa 2 administrable
AI Failover integrado
Modo CCTV con reconocimiento de cámaras
PoE watchdog y warm start
Protección 6 kV por puerto

Físicas y Eléctricas
18 puertos RJ45 10/100/1000 Mbps
2 puertos SFP 1GE (19 y 20)
16 puertos PoE+ IEEE 802.3af/at
Presupuesto PoE total: 250 W
Chasis metálico
Montaje en rack de 19 pulgadas

Contenido del Paquete
Switch RG-ES220GS-P-V2
Soportes de montaje para rack de 19 pulgadas

ESPECIFICACIONES

Característica 1	**Gestión cloud inteligente con AI failover integrado para alta disponibilidad**
Característica 2	**Modo CCTV de un clic con reconocimiento automático de cámaras IP**
Característica 3	**PoE ininterrumpido con watchdog y warm start para continuidad operativa**
Característica 4	**Protección contra sobretensiones de 6 kV en cada puerto para máxima resiliencia**
Característica 5	**Presupuesto PoE+ de 250 W conforme IEEE 802.3af/at sin fuentes externas**
Característica 6	**Capacidad de switching 40 Gbps con rendimiento de línea sin bloqueo**

MEMORIA TÉCNICA · RG-ES220GS-P-V2

Número de parte de esta ficha: RG-ES220GS-P-V2. La información corresponde a esta variante.

RG-ES220GS-P-V2
20-Port Gigabit Smart Cloud Managed
PoE Switch
- Highlights
- Cost-Effective Switch
- IPC Recognition for Enhanced CCTV Network Value
- AI Failover for Service Continuity
- Uninterrupted PoE Power Supply
- Lifetime Management on Ruijie Cloud Anytime, Anywhere
Date: 2026.5.12
- Product Information
Model RG-ES220GS-P-V2
Product Category Layer 2
- Hardware Specifications
Model RG-ES220GS-P-V2
Product Information
Warranty 3 years
Port Specifications
Total number of RJ45 ports 18
Total number of optical ports 2
Number of 1GE SFP ports 2
Number of 10/100/1000BASE-T ports 18

Reset button 1
DIP switch
LED mode switch toggled to left (Mode 1): The port LED status indicates the status of traffic transmission. Solid green means that the port is link up, while blinking green means that the port is transmitting and receiving data.
- LED mode switch toggled to right (Mode 2): The port LED status indicates the PoE status. Solid green means that the port is supplying power, while blinking green means that the port is in power overload state.
Power Supply and Consumption
PoE Out standard PoE/PoE+ (IEEE 802.3af/at)
Number of PoE Out ports 16
Number of PoE/PoE+ Out ports 16
PoE budget 250 W
PoE power pins 1–2 (+), 3–6 (-)
- Hardware Specifications
Model RG-ES220GS-P-V2
Power input
220 V AC power supply:
- Rated input voltage: 100 V AC to 240 V AC, 50 Hz to 60 Hz
- Maximum input voltage: 90 V AC to 264 V AC, 47 Hz to 63 Hz
- Rated input current: 6 A
Maximum power consumption
20 W (with no PoE load)
287 W (with full PoE load)
Power supply Fixed power supply
System Specifications
Flash memory 8 MB
Forwarding rate 29.76 Mpps
Switching capacity 40 Gbps(bit/s)
Dimensions and Weight
Casing Metal
Product dimensions (W x D x H)
300 mm x 223 mm x 43.6 mm
(11.81 in. x 8.78 in. x 1.72 in.)
Weight 2.06 kg (4.54 lbs) (without packaging materials)
Shipping weight 2.95 kg (6.50 lbs)
Environment and Reliability
Fan 1 x fixed fan
Cooling Air cooling, left-to-right airflow
Acoustic noise
25°C (77°F): 40 dB
- 40°C (104°F): 50 dB
Mounting options Rack/Desk
Hot swapping of cables Hot swapping supported by the service port and power connector
MTBF 200,000 hours
Operating temperature 0°C to 40°C (32°F to 104°F)
Storage temperature –40°C to +70°C (–40°F to +158°F)
Operating humidity 10% RH to 90% RH (non-condensing)
- Hardware Specifications
Model RG-ES220GS-P-V2
Storage humidity 5% RH to 95% RH (non-condensing)
Altitude –500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)
ESD protection
Air discharge: 8 kV
Contact discharge: 6 kV
Surge protection
Service port: ± 6 kV for common mode
Power connector: ± 6 kV for common mode and ± 6 kV for differential mode
Certification and Regulatory Compliance
EMC
EN 55032
EN IEC 61000-3-2
EN 61000-3-3
EN 55035
EN 300 386
Safety compliance
EN 62368-1
IEC 62368-1
Certification CE, CB
- Software Specifications
Model RG-ES220GS-P-V2
Authentication
RADIUS No
802.1X authentication No
Basic Configurations
PoE watchdog Yes
Uninterruptible power supply upon warm start
Yes
Online upgrade Yes
Ethernet Switching
Maximum number of VLANs 32
Maximum number of MAC address entries
16000
Interface flow control Yes
IEEE 802.1Q VLAN Yes
LLDP No
LLDP-MED No
Static MAC address Yes
Static aggregation Yes
LACP No
Inbound or outbound rate limiting based on interface traffic
Yes
Gateway Features
802.1p priority-based traffic classification
No
DSCP priority-based traffic classification
No
Interface
- Software Specifications
Model RG-ES220GS-P-V2

Jumbo frame length (MTU) 12000 bytes
EEE Yes
Cable test Yes
IP Routing
IPv4 static route No
IPv6 static route No
OSPFv2 No
OSPFv3 No
IP Service
ARP No
IPv4 ping Yes
IPv4 traceroute No
ICMPv6 No
IPv6 ping No
IPv6 traceroute No
DNS client Yes
DHCP client Yes
Multicast
IGMPv1 snooping No
IGMPv2 snooping No
Basic IGMPv3 snooping No
Full IGMPv3 snooping No
IGMP filtering No
IGMPv1, v2, and v3 No
- Software Specifications
Model RG-ES220GS-P-V2
Network Management and Monitoring
Fan speed adjustment Automatic speed adjustment
Mirroring Yes
HTTP login Yes
HTTPS login Yes
SON Yes
Syslog No
Camera detection Yes
eWeb management Yes
Ruijie Cloud management Yes
Ruijie Reyee App management Yes
SNMPv1, v2c, and v3 No
Reliability
Load balancing No
ERPS Yes
Security
Port isolation Yes
Broadcast storm control Yes
Multicast storm control Yes
Unknown unicast storm control Yes
DHCP snooping Yes
Standard ACL No
Extended MAC ACL No
Extended IP ACL No
- Software Specifications
Model RG-ES220GS-P-V2
IPv6 ACL No
ARP anti-spoofing No
CPU Protection Policy Yes
System Performance Capacity
Recommended camera limit
200W H265: 100
- 400W H265: 50
- Package Contents
Model RG-ES220GS-P-V2
Device
Device 1
Accessories
Rubber pad 4
Power cord retention clip 1
Screw 6 x M3 x 6 mm cross recessed countersunk head screws
Power cord 1 x 1.8 m (5.91 ft.)
Rack-mount bracket 2
Manual
User Manual 1
Warranty Card 1