



Resolución Administrativa Homologación

ATT-DJ-RA-H-TL LP 102/2020

ANEXO
CERTIFICADO DE HOMOLOGACIÓN RENOVADO

- a) **CÓDIGO:** ATT-DJ-RA-H-TL LP 102/2020
- b) **EMISIÓN Y VENCIMIENTO:** 10 de Marzo del 2020, vence el 09 de Marzo del 2025
- c) **CONDICIONES DE OTORGACIÓN DE LA HOMOLOGACIÓN:** Reconocimiento y verificación de una certificación internacional
- d) **CATEGORÍAS Y SUBCATEGORÍAS DENTRO DE LAS CUALES EL EQUIPO FUE HOMOLOGADO**

CATEGORÍA	Equipos para redes de datos
SUBCATEGORÍA	Enrutador de datos/ Pasarela (Gateway)

- e) **NOMBRE Y DIRECCIÓN DEL FABRICANTE:**

Huawei Technologies Co., Ltd
Administration Building, Headquarters
of Huawei Technologies Co., Ltd.,
Bantian, Longgang District
518129 Shenzhen, China

- f) **DATOS TÉCNICOS:**

Producto	Conmutador Ethernet (<i>Ethernet Switch</i>)
Marca	Huawei
Modelos	<p>Serie S5700-HI (S5700-28C-HI, S5700-28C-HI-24S)</p> <p>Serie S5700-EI (S5700-28C-EI/ S5700-28C-PWR-EI, S5700-28C-EI-24S, S5700-52C-EI/ S5700-52C-PWR-EI, S5710-28C-EI, S5710-52C-EI)</p> <p>Serie S5700-SI (S5700-24TP-SI-AC, S5700-24TP-SI-DC/S5700-24TP-PWR-SI, S5700-28C-SI/S5700-28C-PWR-SI, S5700-48TP-SI/S5700-48TP-PWR-SI, S5700-52C-SI/S5700-52C-PWR-SI)</p> <p>Serie S5700-LI (S5700-28P-LI-AC, S5700-28P-LI-DC/S5700-28P-PWR-LI-AC, S5700-52P-LI/S5700-52P-PWR-LI, S5710-28C-LI/S5710-28C-PWR-LI, S5710-52C-LI/S5710-52C-PWR-LI)</p> <p>Serie S5700S-LI (S5700S-28P-LI-AC, S5700S-52P-LI-AC)</p>

- g) **ESPECIFICACIONES TÉCNICAS PRINCIPALES:**

ESPECIFICACIONES TÉCNICAS PRINCIPALES	
Serie S5700-HI	
VLAN	4K VLANs Guest Vlan and voice VLAN



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VLAN (Cont.)	GVRP MUX VLAN VLAN assignment based on MAC addresses, protocolos, IP subnets, policiey y puertos 1:1 y N:1 VLAN Mapping
Fiabilidad	- RRPP ring topology and RRPP multi-instance - Smart Link tree topology and Smart Link multi-instance, providing the millisecond level protection switchover - SEP - ERPS(G.8032) - BFD for OSPF, BFD for IS-IS, BFD for VRRP, and BFD for PIM - STP(IEEE 802.1d), RSTP(IEEE 802.1w), and MSTP(IEEE 802.1s) - BPDU protection, root protection, and loop protection
Características MPLS	- MPLS L3VPN - MPLS L2VPN (VPWS/VPLS) - MPLS-TE - MPLS QoS
Router IP	Static routing, RIPv1, RIPv2, OSPF, IS-IS, BGP, and ECMP
Características IPv6	- IGMP v1/v2/v3 snooping and IGMP fast leave - MLD v1/v2 snooping - Multicast forwarding in a VLAN and multicast replication between VLANs - Multicast load balancing among member ports of a trunk - Controllable multicast - Port-based multicast traffic statistics - IGMPv1/v2/v3, MLDv1/v2, PIM-SM, PIM-DM, and PIM-SSM
QoS/ACL	- Rate limiting on packets sent and received by an interface - Packet redirection - Port-based traffic policing and two-rate three-color CAR - Eight queues on each port - WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms - WRED - Re-marking of the 802.1p priority and DSCP priority - Packet filtering at Layer 2 to Layer 4, filtering out invalid frames based on the source - MAC address, destination MAC address, source IP address, destination IP address
Gestión y Mantenimiento	- TCP/UDP port number, protocol type, and VLAN ID - Rate limiting in each queue and traffic shaping on ports - MAC Forced Forwarding (MFF) - Virtual cable test - SNMP v1/v2/v3 - RMON - Web-based NMS - System logs and alarms of different levels - 802.3az EEE - sFlow



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Gestión y Mantenimiento (Cont.)	- NetStream - Dying Gasp
<i>Serie S5700-EI</i>	
VLAN	4K VLANs Guest Vlan and voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocolos, IP subnets, policys y puertos 1:1 y N:1 VLAN Mapping
Fiabilidad	- RRPP ring topology and RRPP multi-instance - Smart Link tree topology and Smart Link multi-instance, providing the millisecond-level protection switchover - SEP - ERPS (G 8032) - BFD for OSPF, BFD for IS-IS, BFD for VRRP, and BFD for PIM - STP(IEEE 802.1d), RSTP(IEEE 802.1w), and MSTP(IEEE 802.1s) - BPDU protection, root protection, and loop protection - E-Trunk
Router IP	Static routing, RIPv1/v2, RIGng, OSPF, OSPFv3, IS-IS, IS-ISv6, BGP, BGP4+, and ECMP
Características IPv6	- Neighbor Discovery (ND) - Path MTU (PMTU) - IPv6 ping, IPv6 tracert, and IPv6 Telnet - ACLs based on the source IPv6 address, destination IPv6 address, - Layer 4 ports, or protocol type - MLD v1/v2 snooping - IPv4 and IPv6 dual stack - 6to4 tunnel, ISATAP tunnel, and manually configured tunnel
Multicast	- IGMP v1/v2/v3 snooping and IGMP fast leave - Multicast forwarding in a VLAN and multicast replication between VLANs - Multicast load balancing among member ports of a trunk - Controllable multicast - Port-based multicast traffic statistics - IGMP v1/v2/v3, PIM-SM, PIM-DM, and PIM-SSM - MSDP
QoS/ACL	- Rate limiting on packets sent and received by an interface - Packet redirection - Port-based traffic policing and two-rate three-color CAR - Eight queues on each port - WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms - WRED (supported by the S5710-EI) - Re-marking of the 802.1p priority and DSCP priority - Packet filtering at Layer 2 to Layer 4, filtering out invalid frames based on the source - MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and



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QoS/ACL (Cont.)	VLAN ID - Rate limiting in each queue and traffic shaping on ports
Gestión y Mantenimiento	- iStack - MAC Forced Forwarding (MFF) - Virtual cable test - SNMP v1/v2/v3 - RMON - Web NMS - System logs and alarms of different levels - NetStream (supported by S5710-EI) - sFlow
S5700-SI	
VLAN	4K VLANs Guest Vlan and voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocols, IP subnets, policie y puertos 1:1 y N:1 VLAN Mapping
Fiabilidad	- RRPP ring topology and RRPP multi-instance - Smart Link tree topology and Smart Link multi-instance, providing the millisecond level protection switchover - SEP - ERPS(G.8032) - STP(IEEE 802.1d), RSTP(IEEE 802.1w), and MSTP(IEEE 802.1s) - BPDU protection, root protection, and loop protection
Router IP	Static routing, RIPv1, RIPv2, RIPng, ECMP
Características IPv6	- Neighbor Discovery (ND) - Path MTU (PMTU) - IPv6 ping, IPv6 tracer, and IPv6 Telnet - ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type - MLD v1/v2 snooping - 6to4 tunnel, ISATAP tunnel, and manually configured tunnel
Multicast	- IGMP v1/v2/v3 snooping and IGMP fast leave - Multicast forwarding in a VLAN and multicast replication between VLANs - Multicast load balancing among member ports of a trunk - Controllable multicast - Port-based multicast traffic statistics
QoS/ACL	- Rate limiting on packets sent and received by an interface - Packet redirection - Port-based traffic policing and two-rate three-color CAR - Eight queues on each port - WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms - Re-marking of the 802.1p priority and DSCP priority - Packet filtering at Layer 2 to Layer 4, filtering out invalid frames based on the source



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QoS/ACL (Cont.)	<ul style="list-style-type: none"> - MAC address, destination MAC address, source IP address, destination IP address, - TCP/UDP port number, protocol type, and VLAN ID - Rate limiting in each queue and traffic shaping on ports
Gestión y Mantenimiento	<ul style="list-style-type: none"> - Stacking (no soporte para S5700-26X-SI-12S-AC) - MAC Forced Forwarding (MFF) - Virtual cable test - SNMP v1/v2/v3 - RMON - Web-based NMS - System logs and alarms of different levels
S5700-LI	
VLAN	<ul style="list-style-type: none"> 4K VLANs Guest Vlan and voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocolos, IP subnets, policiey y puertos 1:1 y N:1 VLAN Mapping
Fiabilidad	<ul style="list-style-type: none"> - RRPP ring topology and RRPP multi-instance - Smart Link tree topology and Smart Link multi-instance, providing the millisecond level protection switchover - SEP - ERPS(G.8032) - STP(IEEE 802.1d), RSTP(IEEE 802.1w), and MSTP(IEEE 802.1s) - BPDU protection, root protection, and loop protection
Router IP	Static routing
Características IPv6	<ul style="list-style-type: none"> - IPv6 features - Neighbor Discovery (ND) - Path MTU (PMTU) - IPv6 ping, IPv6 tracert, and IPv6 Telnet - ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, and protocol type - MLDv1/v2 snooping
Multicast	<ul style="list-style-type: none"> - IGMP v1/v2/v3 snooping and IGMP fast leave - Multicast forwarding in a VLAN and multicast replication between VLANs - Multicast load balancing among member ports of a trunk - Controllable multicast - Port-based multicast traffic statistics
QoS/ACL	<ul style="list-style-type: none"> - Rate limiting on packets sent and received by an interface - Packet redirection - Interface-based traffic policing and two-rate and three-color CAR - Eight queues on each interface - WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms - Re-marking of the 802.1p priority and DSCP priority - Packet filtering at Layer 2 to Layer 4, filtering out invalid frames based on the source



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QoS/ACL (Cont.)	<ul style="list-style-type: none"> - MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and VLAN ID - Rate limiting in each queue and traffic shaping on interfaces
Gestión y Mantenimiento	<ul style="list-style-type: none"> - iStack (excluyendo S5700-10P-LI-AC, S5700-10P-PWR-LI-AC, S5700S-28P-LI-AC, S5700S-52P-LI-AC and battery LAN switches) - MFF - Virtual Cable Test (VCT) - Remote configuration and maintenance using Telnet - SNMPv1/v2/v3 - RMON - eSight and web-based NMS - HTTPS - System logs and multi-level alarms - 802.3az EEE - Dying Gasp (excluding battery LAN switches) - Device hibernation mode (excluyendo PWR serials switches, battery LAN switches, S5700-10P-LI, S5700-28X-LI-24S, S5701-28X-LI-24S-AC and S5700-52X-LI-48CS-AC)
S5700S-LI	
VLAN	<ul style="list-style-type: none"> 4K VLANs Guest Vlan and voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocolos, IP subnets, policies y puertos 1:1 y N:1 VLAN Mapping
Fiabilidad	<ul style="list-style-type: none"> - RRPP ring topology and RRPP multi-instance - Smart Link tree topology and Smart Link multi-instance, providing the millisecond level protection switchover - Smart Ethernet Protection (SEP) - STP(IEEE 802.1d), RSTP(IEEE 802.1w), and MSTP(IEEE 802.1s) - BPDU protection, root protection, and loop protection
Router IP	Static routing
Características IPv6	<ul style="list-style-type: none"> - IPv6 host - Static IPv6 routes - Path MTU (PMTU) - IPv6 ping, IPv6 tracer - IPv4 and IPv6 dual stack - ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type
Multicast	<ul style="list-style-type: none"> - IGMP v1/v2/v3 snooping and IGMP fast leave - MLD v1/v2 snooping - Multicast VLAN - Multicast load balancing among member ports of a trunk - Controllable multicast - Port-based multicast traffic statistics
QoS/ACL	<ul style="list-style-type: none"> - Rate limiting on packets sent and received by an interface - Packet redirection



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QoS/ACL (Cont.)	<ul style="list-style-type: none">- Port-based traffic policing and two-rate three-color CAR- Eight queues on each port- WRR, DRR, SP, WRR+SP, DRR+SP queue scheduling algorithms- Re-marking of the 802.1p priority and DSCP priority- Packet filtering at Layer 2 to Layer 4, filtering out invalid frames based on the source MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and VLAN ID- Rate limiting in each queue and traffic shaping on ports
Gestión y Mantenimiento	<ul style="list-style-type: none">- MAC Forced Forwarding (MFF)- Virtual cable test- Ethernet OAM (IEEE 802.3ah and 802.1ag)- SNMP v1/v2/v3- RMON- Web-based NMS- NTP- System logs and alarms of different levels- DLDP- 802.3az EEE(Energy Efficient Ethernet)- sFlow

Nota.-

- i) El presente certificado no constituye título habilitante para la prestación de servicios de telecomunicaciones, ni autoriza el uso de frecuencias del espectro radioeléctrico.
- ii) En caso de difusión de publicidad **escrita o audiovisual** acerca del equipo, se deberá incluir el logo de la ATT y señalar que el equipo fue homologado por esta Autoridad.



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