

| Model              | ALP-SFP-10G-12-SW2-L3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand              | Alstron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Interface          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ethernet Ports     | 1 x RJ45 Console Port<br>12 x 10G/1G SFP slots<br>8 x 1G RJ45 ports                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| System             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CPU (MB)           | 16 (Flash Memory) , 512 (DRAM) , 3 (Buffer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Switching Capacity | 176 Gbps (32K MAC Address)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Forwarding Rate    | 132 Million PPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Jumbo Frame        | 9 K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Features           | 4K VLAN Entries, GVRP RIP, Double Tag VLAN (QinQ & Selective QinQ)<br>PIM-SM, PIM-DM, IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter<br>DHCP server/relay/client, DHCP snooping<br>ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet, IPv6 neighbor discovery, Path MTU discovery,<br>Multicast Group Policy, Static Routing, QoS, WRR, Flow monitoring & shaping<br>Congestion avoidance mechanisms like Tail-Drop & WRED,<br>SNMP v1/v2/v3<br>TFTP firmware update/backup/restore<br>Management : Console / Telnet / SSH / Web |

\* Continue at next page

## Related Products



**SFP**  
see page 37



**Rugged PoE Media converter**  
ALP-FCH-G-SFP-60



**L2 Managed Gigabit Switch**  
ALP-24100G-SW-L2



**150W PSU**  
ALP-PWR-150-AC

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                 | <b>ALP-SFP-G-24-SW-L3</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Brand</b>                 | <b>Alstron</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                              |                                                                                                                                                                                                                                                                                                                                                           |
| <b>L3 Managed Features</b>   | OSPF, BGP, PBR, ECMP, BFD for OSPF, BGP, LDP protocol, Multi-VRF, MLD, MLD snooping, IPv6 Static Routing, RIPng OSPFv3, BGP4+, URRF                                                                                                                                                                                                                                                                                                         |
| <b>Security</b>              | Login Security : IEEE802.1X Authentication / RADIUS / BDTacacs+/SSL<br>BPDU Protection, Root Protection, Loopback Protection<br>Prevents DDoS/TCP-related SYN Flood / UDP Flood attack<br>L2-L4 ACL Flow identification & Filtering,<br>Sticky MAC, Dynamic ARP Inspection & IP source guard<br>Broadcast / Multicast / Unknown Unicast Storm Control<br>Port isolation, Port security, and "IP+MAC+Port" binding<br>Multi Level User Login |
| <b>Reliability Features</b>  | Static LACP Link Aggregations,<br>EAPS, ERPS,<br>IEEE802.1d Spanning Tree and IEEE802.1w Rapid Spanning Tree;<br>IEEE802.1s Multiple Spanning Tree                                                                                                                                                                                                                                                                                          |
| <b>Power</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Power Input</b>           | AC 100-240 V, 50/60 Hz<br>(Dual Fixed AC Power Input for redundancy)                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Power Consumption</b>     | ≤ 50 Watts (Single AC Power Unit)                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MTBF</b>                  | > 100,000 (@ 25 °C)                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Mechanical</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Dimension (L x W x H)</b> | 440 x 315 x 44 mm                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Weight</b>                | Approx. 3.6 kg                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Environmental</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Standards</b>             | Design comply to CE                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Temperature</b>   | -10 ~ 50 °C                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Operating Temperature</b> | 0 ~ 40 °C                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Operating Humidity</b>    | 10% ~ 95% (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                  |