

## S5350 Series 10G Uplink Smart Switch

S5350 is designed for carrier-class GE access and 10G uplink networks. It covers all kinds of enterprise/ operators customer, having the capacity to meet the demand of cost-effective Gigabit access / aggregation. S5350 adopts high performance processor to provide full speed forwarding and line-dormant capacity to coordinate with NGBN. It supplies abundant and flexible service features, ensuring operability, manageability, and expansibility.

### S5350-28TX



- 24 \* 10/100/1000BaseT
- 4\*10GE SFP+
- 16K MAC address,
- full load < 40W
- AC: 110 ~ 240V, 47 ~ 67Hz
- 440mm \*220mm \*44mm

### S5350-28SX



- 20 \* 100/1000Base-X
- 4\*GE Combo
- 4\*10GE SFP+
- 16K MAC address
- full load < 60W
- AC: 110 ~ 240V, 47 ~ 67Hz
- 440mm \*280mm \*44mm

### Product Specification:

| Item                | S5350-28TX                                                | S5350-28SX                                                |
|---------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Switching Capacity  | 128Gbps                                                   | 128Gbps                                                   |
| Forwarding Capacity | 95Mpps                                                    | 95Mpps                                                    |
| Memory and Storage  | 512MB SDRAM and 16MB flash memory                         |                                                           |
| Power Supply        | AC: input 90 ~ 264V, 47 ~ 67Hz;                           |                                                           |
| Power Consumption   | Full-load consumption ≤40W<br>Idle-power consumption ≤13W | Full-load consumption ≤60W<br>Idle-power consumption ≤20W |

|                                     |                                                                                                                        |                  |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------|
| Dimensions (Width x Depth x Height) | 440mm*220mm*44mm                                                                                                       | 440mm*280mm*44mm |
| Weight (Full-Loaded)                | ≤3kg                                                                                                                   | ≤3kg             |
| Environmental Requirements          | Working temperature: -10°C ~ 50°C<br>Storage temperature: -40°C ~ 70°C<br>Relative humidity: 10% ~ 90%, non-condensing |                  |

## Product Features:

| Item              |                 | S5350-28TX/28SX                                                                                                                                                                                                                                                 |
|-------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2 Features       | MAC             | 16K MAC<br>Aging time and add/remove static MAC<br>Port MAC Limit<br>Disable MAC address learning on port or channel-group<br>MAC address filtering<br>Port MAC limit                                                                                           |
|                   | VLAN            | 4K VLAN 802.1Q<br>Port-based and MAC-based VLAN<br>Q-IN-Q                                                                                                                                                                                                       |
|                   | Spanning Tree   | STP/RSTP/MSTP<br>Remote loop detecting                                                                                                                                                                                                                          |
|                   | Port            | Bi-directional bandwidth control<br>Static link aggregation and LACP(Link Aggregation Control Protocol)<br>Port mirroring                                                                                                                                       |
| Security Features | Ipv4            | DHCP Relay<br>DHCP Server<br>Static ARP<br>L3 forwarding specification to be 1024<br>Static route<br>512 LPM (default router )                                                                                                                                  |
| IP routing        | User's Security | Anti-ARP-spoofing<br>Anti-ARP-flooding<br>IP Source Guard create IP+VLAN+MAC+Port binding<br>Port Isolation<br>MAC address binding to the port and MAC address filtering<br>IEEE 802.1x and AAA/Radius authentication                                           |
|                   | Device Security | Anti-DOS attack(such as ARP, Synflood, Smurf, ICMP attack), ARP detection, worm and Msblaster worm attack<br>SSHv2 Secure Shell<br>SNMP v3 encrypted management<br>Security IP login through Telnet<br>Hierarchical management and password protection of users |

|                  |                     |                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | Network Maintenance | <p>Dynamic ARP table-based binding</p> <p>IP+VLAN+MAC+Port binding</p> <p>L2 to L7 ACL flow filtration mechanism on the 80 bytes of the head of user-defined packet</p> <p>Port-based broadcast/multicast suppression and auto-shutdown risk port</p> <p>DHCP Option82 and PPPoE+ upload user's physical location</p>                                                                                       |
| Service Features | ACL                 | <p>Standard 1 K and extended ACL</p> <p>Time Range ACL</p> <p>Flow classification and flow definition based on source/destination MAC address、VLAN、802.1p、ToS、DiffServ、source/destination IP(IPv4/IPv6) address、TCP/UDP port number、protocol type, etc</p> <p>packet filtration of L2 ~ L7 deep to 80 bytes of IP packet head</p> <p>ACL flexible control in the phases of vlan-lookup、ingress、egress</p>   |
|                  | QoS                 | <p>Rate-limit to packet sending/receiving speed of port or self-defined flow</p> <p>Packet mirror and redirection of interface and self-defined flow</p> <p>Priority remark to port or self-defined flow and provide 802.1P, DSCP priority and Remark</p> <p>Super queue scheduler based on port or self-defined flow. Each port flow supports 8 priority queues and scheduler of SP, WRR, SP+WRR, etc.</p> |
|                  | Multicast           | <p>IGMPv1/v2/v3 Snooping</p> <p>IGMP Filter</p> <p>MVR and cross VLAN multicast copy</p> <p>IGMP Fast leave</p> <p>IGMP Proxy</p> <p>L3 multicast to be 256</p>                                                                                                                                                                                                                                             |
| Reliability      | Loop Protection     | <p>EAPS\ERPS\PVST and GERP (recover-time &lt;50ms)</p> <p>Loopback-detection</p>                                                                                                                                                                                                                                                                                                                            |
|                  | Link Protection     | <p>FlexLink (recover-time &lt;50ms)</p> <p>RSTP/MSTP (recover-time &lt;1s)</p> <p>LACP (recover-time &lt;10ms)</p>                                                                                                                                                                                                                                                                                          |
|                  | Device Protection   | <p>Double fault-tolerant backup of host program and configuration files</p>                                                                                                                                                                                                                                                                                                                                 |
| Maintenance      | Network Maintenance | <p>Port real-time, utilization and transmit/receive statistic based on Telnet LLDP</p> <p>802.3ah Ethernet OAM</p> <p>RFC 3164 BSD syslog Protocol</p> <p>Ping and Traceroute</p>                                                                                                                                                                                                                           |

|  |                   |                                                                                                                                         |
|--|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|  | Device Management | CLI, Console port, Telnet and WEB Stack<br>OAM ( 802.3ah and 802.1ag )<br>VCT<br>User hierarchical permission<br>RADIUS<br>SNMPv1/v2/v3 |
|--|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

**Purchase Information:**

| Product name | Product description                                             |
|--------------|-----------------------------------------------------------------|
| S5350-28TX   | 24*10/100/1000Base-T, 4*10GE SFP+ ( 100~240V AC/DC48 )          |
| S5350-28SX   | 20*100/1000Base-X, 4*GE Combo, 4*10GE SFP+ ( 100~240V AC/DC48 ) |