

# KDS-1320

## L3 Managed Switch



### Features

- 28-48 Port 1000Base
- 4 Port 10G SFP+
- L2,L3,L4 Features
- Total PoE Budget: Up to 600 W Up to 48 ports PoE

### Specifications

|  | KDS1320-28   | KDS1320-28P | KDS1320-52 | KDS1320-52P | KDS-1320-44F |
|--|--|-------------|------------|-------------|--------------|
| <b>Performans</b>  |  |             |            |             |              |
| 1000BaseT Ports  | 24   | 24          | 48         | 48          | 12           |
| 1000BaseT POE Ports  | -  | 24          | -          | 48          | -            |
| 100/1000Base SFP Bay   | -  | -           | -          | -           | 28           |
| 1/10G Base SFP+ Bay  | -  | 4           | -          | -           | -            |
| Poe Capacity ( Watt )  | -  | 400         | -          | 600         | -            |
| 802.3af/at Max.30W/port  | -  | Yes         | -          | Yes         | -            |
| Switching Capacity ( Gbps)   | 128  | 128         | 176        | 176         | 160          |
| Forwarding Rate ( Mpps )   | 95.23  | 95.23       | 130.94     | 130.94      | 119          |
| MAC Table  | 32K  |             |            |             |              |
| Jumbo Frames   | 10K  |             |            |             |              |
| Flash RAM ( MB )   | 256  |             |            |             |              |
| DRAM ( GB )  | 2  |             | 4          |             |              |
| Auto-neg. Full/Half Duplex   | Yes  |             |            |             |              |
| Auto MDI/MDIX  | Yes  |             |            |             |              |
| Store And Forward  | Yes  |             |            |             |              |
| Wire Speed,(non-blocking)  | Yes  |             |            |             |              |
| Input Power  | AC100-240V, 50-60Hz  |             |            |             |              |
| MaxPowerConsump(Watt)  | 29   | 429         | 34         | 534         | 53           |
| Operating/Storage Temp.  | 0 - 50 °C / -20 - 75 °C  |             |            |             |              |
| Operating Humidity   | 10% - 90%, non-condensing  |             |            |             |              |
| Dimension (mm)   | 440/290/44.5   |             |            |             |              |
| Weight ( Kg )  | 4.050  | 4.450       | 4.441      | 4.991       | 3.540        |
| Installation   | Free-standing, 19" rack-mounted  |             |            |             |              |
| Standards  | CE mark, commercial , VCCI Class B FCC Part 15 Class B ,ISO 9001 EN55022 (CISPR 22), Class B , CE/LVD EN60950, RoHS  |             |            |             |              |
| <b>Layer 2 Features</b>  |  |             |            |             |              |
| Spanning Tree Protocol (STP)   | IEEE802.1d Spanning Tree Protocol<br>IEEE802.1w Rapid Spanning Tree Protocol<br>IEEE802.1s Multiple Spanning Tree Protocol<br>Loop Back Detection , BPDU Guard |             |            |             |              |
| IGMP Snooping  | IGMP v1/v2/v3, Max. 1024 IGMP Groups   |             |            |             |              |
| VLANs  | Support up to 4K VLANs<br>Port-based VLAN , 802.1Q tag-based VLAN , Guest VLAN , Private VLAN<br>IEEE802.3ad LACP  |             |            |             |              |
| Link Aggregation (Port Trunk)  | (Up to 26 group, max. 8 port per group )   |             |            |             |              |
| Eth. Ring Protection   | G.8032 ERPS  |             |            |             |              |
| Switching  | IEEE802.3x   |             |            |             |              |
| Flow Control   | Broadcast , Multicast , Unknown Unicast  |             |            |             |              |
| Storm Control  | Yes  |             |            |             |              |
| Q in Q   | Yes  |             |            |             |              |
| DDM  | Yes  |             |            |             |              |
| <b>Layer 3 Features</b>  |  |             |            |             |              |
| Layer 3 management   | IPV4/IPV6 management   |             |            |             |              |
| OSPF   | Yes  |             |            |             |              |
| RIP V1/V2  | Yes  |             |            |             |              |
| <b>Security Features</b>   |  |             |            |             |              |
| Broadcast, multicast , unicast storm control   |  |             |            |             |              |
| Secure Shell (SSH)   |  |             |            |             |              |
| Port Security  |  |             |            |             |              |
| Secure Sockets Layer (SSL)   |  |             |            |             |              |
| Telnet Security ,  |  |             |            |             |              |
| IP+MAC Binding Port Based  |  |             |            |             |              |
| Web security   |  |             |            |             |              |
| SSH v1/v2  |  |             |            |             |              |
| 802.1x Dynamic VLAN  |  |             |            |             |              |
| DHCP Snooping,Relay,Option82   |  |             |            |             |              |
| VLAN ID or IP address  |  |             |            |             |              |
| IP Source Guard  |  |             |            |             |              |
| ARP Inspection   |  |             |            |             |              |
| ICMP   |  |             |            |             |              |
| TCP flag   |  |             |            |             |              |
| AAA  |  |             |            |             |              |
| Radius ( 4 Group )   |  |             |            |             |              |
| TACACS+  |  |             |            |             |              |
| ACL rules, L2 , L3 , L4 packet filtering   |  |             |            |             |              |
| ( MAC, Dest. MAC add., IP Source, Dest. IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN ) |  |             |            |             |              |
| <b>Management</b>  |  |             |            |             |              |
| Web/SSL , SNMP v1,2,3, Firmware upgrade, LLDP, DHCP Client, Web GUI Interface, (HTTP/HTTPS and TFTP)       |  |             |            |             |              |
| SNTP, Port Mirroring, Port Isolation, Port Speed Limit, TFTP, Ping, Time zone, Cable Diagnostics (TDR)     |  |             |            |             |              |
| HTTP/HTTPS, CPU Load, Dual Image, Syslog, Telnet/SSH, Scheduling of PoE                                    |  |             |            |             |              |
| <b>IPv6 Features</b>   |  |             |            |             |              |
| IPv6 MLD snooping  |  |             |            |             |              |
| IPv4/6 Dual Protocol Stack   |  |             |            |             |              |
| IPv6 Management  |  |             |            |             |              |
| <b>Quality of Service</b>  |  |             |            |             |              |
|  | 8 queues per port<br>TCP/ UDP<br>CoS   |             |            |             |              |
| CoS  | Strict priority<br>Weighted Round Robin (WRR)<br>Weighted Fair Queuing (WFQ)   |             |            |             |              |
| Rate Limiting  | Ingress/Egress, Rate control   |             |            |             |              |
| Traffic classification   | IEEE802.1p, DSCP / IP precedence   |             |            |             |              |
| RMON   | 4 Group  |             |            |             |              |
| ToS  | Yes  |             |            |             |              |
| First Come First Served  | Yes  |             |            |             |              |
| Head of Line   | Yes  |             |            |             |              |