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?????????? (Switch, ????? ECS451052T) L2 ECS4510-52T Edge-Core





L2 48x10/100/1000+2x10G SFP+1 slot dual 10G SFP

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Dimension (HxWxD) cm 44 x 39.1 x 4.4 cm

Expansion Slots 4
Fixed Ports 48
Weight (kg) 5.4kg
Performance
Forwarding Rate 130.94Mpps
MAC Address Table Size 16K
Switching Capacity 176Gbps
L2 Features
Auto MDI/MDIX Yes
Autonegotiation Yes
Flow Control Yes
IGMP Snooping v1 | v2 | v3
Immediate Leave Yes
Jumbo Frame Yes
Link Aggregation IEEE 802.3ad with LACP (Dynamic) | Static Trunk
Multicast (IGMP) Snooping Querier Support | Immediate Leave | IGMP Filtering | IGMP Throtting
MVR Yes
Q in Q Yes
Spanning Tree IEEE 802.1D (STP) | IEEE 802.1w (RSTP) | IEEE 802.1s (MSTP) | BPDU Filter | Root Guard | BPDU Guard | Loopback Detection
VLAN Private VLAN | GVRP | IEEE 802.1v | MAC Based | IP Subnet VLAN | Port Based | Voice VLAN | VLAN Trunking
QoS Features
CoS IEEE 802.1p | DSCP
H/W Queues 8
Number of pripority queue 8
Rate Limiting Ingress | Egress
Security Features
ACL Base on src/dst IP | Base on IP protocol type | Base on TCP/UDP src.dst Port | Base on src/dst MAC
ARP Inspection Yes
DHCP Snooping Yes
Dynamic ARP inspection (DAI) Yes
HTTP and SSL (Secured Web) Yes

IEEE 802.1x Port-based | MAC-based | VLAN Assignment
IP Source Guard Yes
Link Detection Yes
MAC Based Authentication Yes
SSH v1.5/ v2.0 (Secured Telnet Session) Yes
TACACS+ Accounting | Authorization
Management Features
Auto Upgrade TFTP
CLI Yes
Configuration Download/ Upload Yes
Firmware Download TFTP (RFC783)
Firmware Upgrade TFTP (RFC783)
IP Clustering Yes
LLDP Yes
Multiple Copies Configuration Download / Upload Yes
OAM Yes
SNTP Yes
VLAN Mirror Yes
Web Based Management Yes
IPv6 Features
ICMPv6 Yes
ICMPv6 Redirect Yes
IPv4/IPv6 Dual Protocol Stack Yes
IPv6 Address Types Unicast | Multicast
IPv6 Management IPv6 SNTP Support | SNMP over IPv6 | IPv6 Telnet Support | Remote IPv6 Ping | IPv6 Syslog Support | IPv6 DNS Resolver | HTTP over IPv6 | IPv6 sFlow
IPv6 Neighbor Discovery Yes

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