To stay ahead in a competitive marketplace, small businesses need to make every dollar count. That means getting the most value from your technology investments, but it also means making sure that employees have fast, reliable access to the business tools and information they need.

Product Highlights

-Easy Deployment and Use

-Strong Security

-Power Efficiency

-Full Layer 2+ feature set with Marvell ROS

Every minute an employee waits for an unresponsive application – and every minute your network is down – has an impact on your bottom line. The importance of maintaining a strong and dependable business network only grows as your business adds more employees, applications, and network complexity.

This switch series is the latest generation of Web-Smart switch, these switches are purposely designed and optimized for network performance, operational cost, ease of management and reliability for small and medium business (SMB) market. New generation of Switch series provide 16 port configurations with high performance, various management tools, and rich and powerful L2 features including Power over Ethernet (PoE), and this series is also an ideal access-edge solution.

SWITCH FEATURES

- Open Flow support
- Up to 8 units' stack
- Advanced QoS
- Full Layer 2+ software support

SWITCH OPTIONS

- POE+/no POE
- Power budget
- 1 Gb. Uplink SFP/10 Gb. Uplink SFP+

HARDWARE SPECIFICATION

Function/parameter	16x1G + 4xSFP+	16x1G + 4xSFP+ w/16xPOE+
Marvell Chipset	98DX225S	98DX225S
FLASH	128 MB	128 MB
RAM	512 MB	512 MB
FANs	NA	2
PSU	20W	440W
POE budget	NA	400W
Case	440*245*44mm	440*245*44mm
LED Indicators	PWR, SYS, Link/ACT LED	PWR, SYS, Link/ACT LED
Operating Temperature	-25℃~+60℃	-25℃~+60℃
MTBF	100,000h	100,000h
Weight	2.8KG	3.5KG
Copper ports 1Gb/s	16	16
Fiber ports 10Gb/s SFP+	4	4
Other Ports	Console, OOB(optional) USB 2.0	Console, OOB (optional) USB 2.0

Marvell ROS SOFTWARE FEATURES

MAC-Based VLANs
Voice VLAN
Multicast TV VLAN
Triple Play, MVR
Q-in-Q, Selective Q-in-Q
Multicast Bridging Mode
Static Multicast Groups
IGMP Snooping
MLD Snooping
Flooding of Unregistered Multicast Frames
Per-device Spanning Tree
Rapid Spanning Tree
Multiple Spanning Tree
STP Root Guard
BPDU Filtering
STP BPDU Guard
Per-device Loopback Detection (LBD)
LACP
LAG Balancing
Static and Dynamics (DHCP/BootP) IP assignment
DNS Client
IPv6 Host
Dual Stack

ISATAP Tunneling
MAC-based Port Security (Locked Port)
802.1x Port-Based Authentication
Time Based 802.1x
Guest VLAN
Unauthenticated VLANs
802.1x - MAC Authentication
Action-on-Violation
Flow Monitoring (sFlow)
RADIUS Remote Authorization and Authentication
RADIUS Accounting
TACACS+
DHCP Snooping
IP Source Address Guard
ARP Inspection
DoS Attack Prevention
SSL
SSH
QoS Across the Stack
QoS statistics
Egress Rate Limiting (Shaping)
Ingress Rate Limiting
Packet Storm Control
Dynamic VLAN Assignment

LARCH
NETWORKS