Larch Networks acquired great knowledge and experience in developing Industrial/Rugged switches for customers.

Product Highlights

-IP40 protected devices
-Work temperatures -40° - +85°
-Acceleration 50g up to 25ms
-POE supports IEEE 802.3AF/AT
-WEB management, CLI support
-8 devices in stack support

The industrial Ethernet switches are designed for use in harsh environments and allow you to build cost-effective, reliable, secure industrial networks. Whether you require an unmanaged switch for a point to point link, a managed switch for redundancy, our extensive range of industrial Ethernet switches and knowledge of the various standards used in train, railway, energy, utilities and road applications means we have the ideal solution, regardless of the environment.

Industrial Switches provide continuous uptime, manageability, and operational efficiency. Industrial Switches are an excellent choice for industrial environments, including intelligent transportation systems, utilities, and smart cities. With full PoE+ power per PoE port, each switch offers the performance needed for today's power-hungry surveillance devices and WLAN access points. Up to 8 devices can be connected in stack using SFP interfaces to work as a single virtual router.

SWITCH OPTIONS

- PoE+/no PoE
- /SFP/SFP+
- PoE budget

HARDWARE SPECIFICATION

Parameters	8x1G + 2xSFP POE+
Chipset	98DX226S
FLASH	128 Mb
RAM	512 Mb
Switching Capacity	36G
Packet Forwarding Rate	26.78Mpps
MTBF	100,000 hours
PoE budget	240W
POE ports	8xPOE+
Dimensions (W x D x H, mm)	143mm X 104mm X 48mm
Weight	0.6kG
LED Indicators	PWR, Link/ACT LED
Input voltage	Non-PoE DC12-58V; PoE DC48-58V.
Power consumption	Non-PoE<10W; PoE <250W
Heat dissipation	Natural heat dissipation
Copper Downlink ports 1Gb/s	8
Fiber Uplink ports 10Gb/s	2
Other Ports	Console, USB2.0
Power Interface	Phoenix terminal, redundant dual power supply

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

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