LARCH NETWORKS

24-port Managed Industrial Switch

Tailor-made network hardware & software development

PRODUCT OVERVIEW



LN-2324-I-SERIES

Highlights

- Input Voltage: Redundant DC48-58V input
- Operating Temperature: -40°C ~ +75°C
- Shell: IP40 Protection, Fanless Design
- Test Report: RoHS, FCC, CE
- Anti-Static: 8KV-15KV
- MTBF: 100,000 Hours

HARDWARE SPECIFICATIONS

	1G RJ45 Downlinks	10G SFP+ Uplinks	PoE+/W
LN-2324GP-2XGF-I	24	2	400
LN-2324G-2XGF-I	24	2	-

Hardware

Marvell Chipset	98DX226S
MTBF	100,000h
Case	94×104×143mm
Weight	1.0KG

Environment

Operating temperature	-40°C~+75°C
Humidity	5% ~ 95% non-condensing

Capacity

Switching capacity	88 Gbps
Forwarding rate	65.47 Mpps
MAC address table	Max 16k
Packet buffer size	12 MB
VLANs	4094
Maximum jumbo frame size	10Kbytes

SOFTWARE FEATURES

Quality of Service

ACL mapping to priority queue	Traffic shaping
WRR support	QoS based on classification
Strict priority support	802.1p support
DSCP Prioritization	

Security

ACLs	Downloadable ACL
DHCP snooping	Dynamic ACL
802.1x authentication	Secure copy (SCP)
MAC authentication	DoS protection
Radius/Tacacs/Tacacs+	Local username/password
AAA, SSH	Protected ports
ARP inspection (DAI & SAI)	RA guard

Layer 2

Forwarding rate	LLDP/LLDP MED
Switching throughput	RRP (Ring Redundancy Protocol)
STP, RSTP	Port mirroring (Port, ACL, VLAN-Based)
MSTP	BPDU filtering
VLAN (MAC, Protocol, Port based)	Ping/TraceRoute/ICMPv6
Loopback detection	Storm control (Broadcast, Multicast, Unicast)
Auto MDI/MDIX	GVRP
BPDU guard, root guard	Energy Efficient Ethernet, Green Ethernet
IGMP/IGMP snooping v1/v2/v3	

Layer 3

ARP, Gratuitous ARP	DHCPv6 client
IPv6 ND	IPv4 Interface
IP source guard	IPv6 Interface
DHCP relay, DHCP server	VRRP
ISATAP	Route-only support

Layer 3 Routing

Inter-VLAN routing	IPv6 host routing
RIPv2	IPv4 static routing, IPv4 host routing
OSPFv2/v3	IPv6 static routing
IPv6 host routing	Policy based routing

SOFTWARE FEATURES

Management

Cloud management	RMON
Industrial standard CLI	Telnet support
Local management	SNTP
Stacking	Syslog server
SNMP v1/v2c/v3	IPv6 management
SNMP traps	Storage & File management wit
TFTP support	Firmware auto-install support
SPAN/RSPAN	Password management
sFLOW	

Standard Compliance

IEEE Standards Compliance	
802.1AB LLDP/ LLDP-MED	802.3ae 10 gigabit Ethernet
802.1D MAC bridging	802.3at Power Over Ethernet Plus
802.1p Mapping to priority queue	802.3u 100Base-TX
802.1s Multiple Spanning Tree (MST)	802.3x flow control
802.1w Rapid Reconfiguration of Spanning Tree (RSTP)	802.3z 1000Base-SX/LX
802.1x Port-based Network Access Control (PNAC)	802.3 MAU MIB (RFC 2239)
802.3 Carrier Sense Multiple Access/Collision Detection (CSMA/CD)	802.1Q VLAN tagging
802.3ab 1000Base-T	802.3az Energy Efficient Ethernet

Monitoring and Troubleshooting

Errdisable detection and recovery	CPU Utilization
Device temp/ Status display & alarm	User operation logs
Virtual cable test	Management logs, alarms
ICMPv4/v6	DDM (Digital Diagnostic Monitoring)
Traceroute	UDLD (Unidirectional Link Detection)

CERTIFICATION & COMPLIANCES

Regulatory	Environmental
FCC	RoHS
Shock Drop Vibration	IP40
BIS	CE
TEC	

ORDERING INFORMATION

Models	Description
LN-2324GP-2XGF-I	L2, 24×1G+2×10G SFP+, PoE+ 400w, Din Rail Mount
LN-2324G-2XGF-I	L2, 24×1G+2×10G SFP+, No PoE, Din Rail Mount

All switches include a 3-year HW Warranty.