



### **LinkPower™ NL2-26002 L2+ Gigabit Managed Ethernet Switch**

## **LinkPower™ NL2-26002 26-Port Layer 2+ Full Managed Ethernet Switch**

The NL2-26002 is a Gigabit managed Ethernet fiber switch designed by ONV, featuring 24 adaptive 10/100/1000Base-T RJ45 ports and 2 100/1000Base-X SFP uplink fiber ports, all supporting wire-speed forwarding.

Equipped with L2+ network management capabilities, it supports IPv4 management, static routing, robust security mechanisms, comprehensive ACL and QoS policies, and advanced VLAN functions for easy configuration and maintenance. It also supports multiple network redundancy protocols, including RSTP (<50ms), ensuring reliable link backup and quick recovery in case of network failure, minimizing downtime for critical communications.

Through Web, CLI, SNMP, and Telnet network management, users can configure port flow control, VLAN segmentation, QoS settings, and other service applications as needed. Designed for high-density network environments, it is an ideal solution for medium to large-scale deployments, including hotels, campuses, business parks, shopping malls, tourist attractions, hospitals, and banks, offering a cost-effective, efficient, and reliable communication network.

### • **Gigabit Access & Uplink SFP Fiber Port**

Supports non-blocking wire-speed forwarding, full/half-duplex modes, and a flexible combination of Gigabit RJ45 and SFP ports for versatile networking.

### • **Strong Business Processing Capability**

Offers VLAN support, RSTP spanning tree for link backup, IGMP Snooping for video applications, QoS with multiple priority modes, link aggregation for bandwidth efficiency, and ACL for security control.

### • **Security**

Features port isolation, storm control, and 802.1X authentication to regulate LAN access and authorization.

### • **Stable & Reliable**

Complies with CCC, CE, FCC, and RoHS standards, includes LED indicators for status monitoring, has a high-redundancy power design, and a durable metal housing with efficient heat dissipation.

### • **Easy O&M Management**

Provides CPU and memory monitoring, system logs, port traffic statistics, LLDP for network diagnostics, and multiple management interfaces including Web, CLI, SNMP, and Telnet.

## **Applications**

- Smart City
- IP Video Surveillance
- Campus Network
- Wireless Mesh Network
- Border Security Surveillance
- Municipal Network
- Energy & Re neries
- Hospitality Network
- Hotel Resort Network
- Hotspot Integration
- VOIP Service
- Traffic Monitoring

Product Specifications

Model	NL2-26002
Interface Characteristics	
Fixed Port	1*RS232 console port(115200,N,8,1) 24*10/100/1000Base-T RJ45 ports (Data) 2*100/1000Base-X uplink SFP fiber ports (Data)
Ethernet Port	Port 1-24 can support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e or later UTP (≤100 meters)
Optical Fiber Port	Gigabit optical fiber interface, default no include optical module (optional single-mode/ multi-mode, single fiber/ dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm /0-550m, Single-mode: 1310nm /0-40km, 1550nm /0-120km.
Chip Parameter	
Network Management Type	L2+
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X, IEEE 802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	52Gbps (non-blocking)
Forwarding Rate @64byte	38.69Mpps
CPU	500M
DRAM	1GB
FLASH	256M
MAC	8K
Buffer Memory	4.1M

Product Specifications

LED Indicator	Power: PWR (Yellow), System: SYS(Yellow), Network: Link/Act (Yellow), Fiber port: L/A(Green)
Reset Switch	Yes, One-button factory reset
Power Supply	
Total PWR / Input Voltage	20W/ (AC100-240V)
Power Consumption	Standby<15W, Full load<20W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 1.0A
Physical Parameter	
Operation TEMP/ Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP/ Humidity	-40~+75°C, 5%~95% RH Non condensing
Dimension (L*W*H)	440*225*44mm
Net /Gross Weight	2.1kg/ 2.8kg
Installation	Desktop, 1U/19" cabinet
Certification & Warranty	
Lightning protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	3 years, lifelong maintenance.
Network Management Feature	
Interface	IEEE802.3x flow control (Full duplex) Broadcast storm suppression based on port rate Port real-time traffic management (Flow Interval) Limit the rate of packet traffic on incoming and outgoing ports, mini granularity is 16Kbps and max is 1Gbps
L3 Feature	IPV4 static route/ default route
VLAN	Port-based VLAN (4K), VLAN based on the protocol IEEE802.1q, Port configuration of Access, Trunk, Hybrid

## Product Specifications

L3 Feature	IPv4 static route/ default route
VLAN	Port-based VLAN (4K), VLAN based on the protocol IEEE802.1q, Port configuration of Access, Trunk, Hybrid
Port Aggregation	LACP dynamic aggregation, Static aggregation Max 13 aggregation groups and 8 ports per group
Spanning Tree	RSTP (IEEE 802.1w)
ERPS	ERPSv2
Multicast	Multicast VLAN, User quick exit mechanism, IGMP Snooping v1/v2
Port Mirroring	Bidirectional data mirroring based on port
QoS	802.1p/ DSCP priority mapping, Diff-Serv QoS Queue scheduling algorithm (SP, WRR, WFQ) Flow-based rate limiting, Flow-based packet filtering Flow-based based redirection, 8*Output queues of each port
ACL	Port-based and VLAN-delivered ACL The L2-L4 packet filtering function can match the first 80 bytes of the packet and provide information based on source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range to define the ACL.
Security	Port isolation, Port broadcast message suppression Port-based and Mac-based IEEE802.1X certification User hierarchical management and password protection

## Product Specifications

	AAA&RADIUS certification, IP source address protection
DHCP	DHCP Client, DHCP Snooping
Management	Web network management (https), Ping detection ONV-NMS platform cluster management (LLDP+SNMP) One click recovery, View CPU real-time utilization status Link Layer Discovery Protocol (LLDP), System work log Console/ Telnet and CLI configuration, SNMP V1/V2/V3 NTP clock, HTTP file upload and download management
System	Web browser: Mozilla Firefox 2.5 or higher, Google Chrome V42 or higher, Cat5 and above Ethernet cable TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, Mac OS X) installed on each computer in the network Cat5 and above Ethernet cable



**Product Information Online: <http://www.inscapedata.com>**

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