

FEATURES

- 24× gigabit PoE+ ports and 2× gigabit SFP
- Supports PoE power up to 30W for each PoE port, all power up to 500W
- IEEE 802.3af/at PoE standards
- Store and forward mode operates
- Support intelligent opening, automatic configuration of the network, topology graphic display
- Supports quad binding, ARP/IP/DoS protection, 802.1X authentication
- Supports IEEE 802.1Q VLAN, QoS, ACL, Spanning Tree, Multicast, IPv6
- Supports port security, port monitoring, port isolation
- Supports Web-based network management, CLI command line, SNMP



NB-GS3226FP is NEWBRIDGE self-developed full Gigabit L2 managed ring PoE switch. The switch has 24* 10/100/1000Mbps PoE+ ports + 2* 1000Mbps SFP Slot, where 1-24 100/1000 Mbps downlink power ports all support powering PoE network cameras via UTP Category 5 and above unshielded twisted pair cables. 24 10/100/1000Mbps adaptive RJ45 downlink ports all support 802.3af/at standard PoE power supply. The maximum PoE output power of the whole machine is 500 W, and the maximum power supply power of individual ports is 30W.

The NB-GS3226FP is a full thousand Layer 2 managed PoE switch, Using a new generation of high-performance hardware and software platform to provide flexible, cost-effective full Gigabit access and uplink ports, support for complete security protection mechanisms, perfect ACL/QoS policy and flexible VLAN function, easy to manage and maintain, to meet the user's network for network equipment, easy to manage, high security, low-cost network requirements for campuses, hotels, and business parks network access, convergence of a variety of application scenarios.

Specifications

| | | |
|------------------------|--|----------------|
| Model | NB-GS3226FP | |
| Standards | IEEE 802.3i 、IEEE 802.3u 、IEEE802.3ab 、IEEE802.3x 、 IEEE802.3az, IEEE802.3af 、 IEEE802.3at | |
| Number of Ports | 24 x 10/100/1000Mbps ports 2 x 1000Mbps SFP ports 1x Console port | |
| Network Media (Cable) | 10Base-T: UTP category 3, 4, 5 cable (maximum 100m) 100Base-Tx: UTP category 5, 5e cable (maximum 100m) 1000Base-T: UTP category 5e, 6 cable (maximum 100m) 1000Base-X:MMF,SMF | |
| Transfer Method | Store-and-Forward | |
| MAC Address Table | 8K | |
| Switching Capacity | 52Gbps | |
| Packet Forwarding Rate | 38.688Mpps | |
| Packet Buffer | 4.1Mbit | |
| PoE Ports(RJ45) | 24x PoE ports compliant with 802.3at/af | |
| Power Pin Assignment | 1/2(+),3/6(-) | |
| PoE Budget | 500W@100~260VAC,50/60HZ | |
| Indicators | Per Device | Power, System |
| | Per Port | Link/Activity, |
| Power Supply | 100~240VAC,50/60HZ,500W | |
| Power Consumption | Maximum(PoE on):500W | |

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|--------------------|--|
| Dimensions (W×D×H) | 440mm*192mm*45mm |
| Installation | Guide rail/wall mount |
| Environment | Operating Temperature: 0°C~45°C Storage Temperature: -40°C~70°C Operating Humidity: 10%~90% non-condensing Storage humidity: 5%~90% non-condensing |

Software Specification

| L2 Features | | Support |
|-----------------------------------|-----------------------------|-----------------|
| MAC Address Table | | 8K |
| Jumbo Frame | | 10K (10000) |
| Flow Control | 802.3x (Full-duplex) | Yes |
| | Back-Pressure (Half-duplex) | Yes |
| Spanning Tree | IEEE 802.1D (STP) | Yes |
| | IEEE 802.1w (RSTP) | Yes |
| | IEEE 802.1s (MSTP) | 16 instances |
| | Auto Edge Port | Yes |
| | BPDU Filtering | Yes |
| | ERPS | Yes |
| | Self Loop Detection | Yes |
| Link Aggregation | IEEE 802.3ad LACP | Yes |
| | Static Trunk | Yes |
| | Max. Group | 8 |
| | Max. Ports/Group | 8 |
| | Traffic Load Balancing | Yes |
| Static Routing | | Yes (IPv4/IPv6) |
| Address Resolution Protocol (ARP) | Static ARP | Yes |
| VLAN | | |
| | Static VLAN | 256 |
| | Port-based | Yes |
| | IEEE 802.1Q Tagged-based | Yes |

24-Port Gigabit+2-Port Gigabit SFP L2

NB-GS3226FP



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|--|-------------------------------|---------------|
| VLAN | Protocol-based | 8 groups |
| | MAC-based | 256 |
| | OUI Mode (Auto/Manual) | 16 OUI |
| Voice VLAN | | |
| Surveillance VLAN | OUI Mode (Auto/Manual) | 16 OUI |
| QinQ (IEEE 802.1ad) | Basic | Yes |
| GARP VLAN Registration Protocol (GVRP) | | Yes |
| Multicast | | |
| Common | Multicast Groups | 256 |
| | Immediate Leave | Yes |
| | Static/Forbidden Router Port | Yes |
| | Static/Forbidden Forward Port | Yes |
| | Filtering | 128 profiles |
| | Throttling | Yes |
| IGMP Snooping | IGMP v1/v2 | Yes |
| | IGMP v3 Basic (BISS) | Yes |
| | IGMP v2/v3 Querier | Yes |
| MLD Snooping | MLD v1/v2 | Yes |
| Multicast VLAN Registration (MVR) | | Yes (IPv4) |
| QoS Features | | |
| Priority Queue | | 8 queues/port |
| Queue Scheduling | WRR | Yes |
| | WFQ | Yes |
| | Strict Priority | Yes |
| | Hybrid(WRR+SP or WFQ+SP) | Yes |
| Class of Service | Port-based | Yes |
| | 802.1p | Yes |
| | IP TOS Precedence | Yes |
| | IP DSCP | Yes |
| Trusted QoS | | Yes |
| Rate Limit | Port-based (Ingress/Egress) | Yes |
| Access Control List (ACL) | | |

| | | |
|------------------------|---|------|
| Access Rules | | 1024 |
| ACL Type | L2/L3/L4 | Yes |
| | MAC-based | 512 |
| | IPv4-based | |
| | IPv6-based | |
| PoE Function | Power | Yes |
| | Current | Yes |
| | Voltage | Yes |
| | PoE Watch Dog | Yes |
| Security | | |
| AAA | Authentication | Yes |
| TACACS+ | | 8 |
| RADIUS | | 8 |
| Authentication Manager | IEEE 802.1X | Yes |
| | MAC Auth | Yes |
| | Web Auth | Yes |
| | Guest VLAN | Yes |
| | Port-based | Yes |
| | Host-based | Yes |
| Account Manager | Local Authentication | Yes |
| | Multiple User Account | 8 |
| | Multi-Level Security (Manager/Operator) | Yes |
| | Password Recovery Procedures | Yes |
| Management Access | Management VLAN | Yes |
| | Management ACL | 256 |
| SSL | SSLv2 | Yes |
| | SSLv3 | Yes |
| | TLSv1 | Yes |
| WebUI | HTTPS | Yes |
| CLI | SSH v1/v2 | Yes |
| Port Security | Dynamic Lock | 256 |
| Storm Control | Broadcast | Yes |
| | Unknown Multicast | Yes |
| | Unknown Unicast | Yes |

24-Port Gigabit+2-Port Gigabit SFP L2



NB-GS3226FP

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|---------------------------------|---------------------------------------|------------|
| Spanning Tree | BPDU Guard | Yes |
| Protected Port (Port Isolation) | | Yes |
| Black Hole MAC | | Yes |
| CPU Defence Engine | | Yes |
| DoS Prevention | | Yes |
| DHCP Snooping (with Option 82) | | Yes |
| Dynamic ARP Inspection | | Yes |
| IP Source Guard | | 256 |
| IP/MAC/Port Binding (IMPB) | | Yes |
| Dynamic VLAN Assignment | | Yes |
| IPv6 | | |
| IPv6 Host | Auto Configuration | Yes |
| | Static IPv6 Address and Prefix Length | Yes |
| | Static IPv6 Default Gateway | Yes |
| | IPv6 Neighbor Discovery (ND) | Yes |
| | IPv6 Duplicate Address Detection | Yes |
| | ICMPv6 | Yes |
| IPv6 Application | HTTP/HTTPS | Yes |
| | TELNET | Yes |
| | SSH | Yes |
| | SNMP | Yes |
| | TFTP | Yes |
| | Syslog | Yes |
| | PING | Yes |
| | DHCPv6 | Yes |
| Management | | |
| CLI | Console | 3 sessions |
| | Telnet (RFC854) | |
| WebUI | HTTP | Yes |
| SNMP | v1 | Yes |
| | v2c | Yes |
| | v3 | Yes |
| Firmware Upgrade/Backup | | Yes |

24-Port Gigabit+2-Port Gigabit SFP L2

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|--|---------------------------------------|-------------------|
| File Management | Dual Images | Yes |
| | Configuration Download/Backup | Yes |
| | Multiple Configurations | Yes |
| Upload/Download | TFTP (RFC783) | Yes |
| | HTTP | Yes |
| | UART | Yes |
| Time Management | Local | Yes |
| | SNTP | Yes |
| Port Management | Friendly Port Name (Port Description) | Yes |
| | Error Disabled Recovery | Yes |
| Line Management | Console | Yes |
| | Telnet (RFC854) | Yes |
| | SSH v1/v2 | Yes |
| DHCP | Client | Yes |
| DNS | Client | Yes |
| Software Reset Button | | Yes |
| EEE (802.3az) | | Yes |
| RMON Management | | 32 entries / type |
| Discovery | | |
| IEEE 802.1AB Link Layer Discovery Protocol (LLDP) | | Yes |
| ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED) | | Yes |
| Diagnostics | | |
| Mirroring | Port-based (Many to One) | 4 sessions |
| Syslog (RFC3164) | Local RAM | Yes |
| | Local Flash | Yes |
| | Remote Server | 8 |
| System Diagnostics | CPU Utilization | Yes |
| | Memory Utilization | Yes |
| | Port Utilization | Yes |
| | Technical Support Log | Yes |
| Port Diagnostics | Cable Test | Yes |
| | Fiber Module Status | Yes |

24-Port Gigabit+2-Port Gigabit SFP L2

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| | | |
|---|------------|-----|
| Network Diagnostics | Ping Test | Yes |
| | Traceroute | Yes |
| UDLD | | Yes |
| MIB | | |
| RFC1213 MIBII (System & Interface groups) | | Yes |
| RFC2819 RMON I (1,2,3, & 9 groups) | | Yes |
| RFC1215 Generic Traps | | Yes |
| RFC1493 Bridge | | Yes |
| RFC2674 Bridge MIB Extensions | | Yes |
| RFC2737 Entity | | Yes |
| RFC3635 Ethernet-Like | | Yes |
| RFC2863 Interface Group | | Yes |
| SNMP-Community-MIB | | Yes |
| SNMPv3-MIB | | Yes |

Order Information

| Part No | Description of product | Unit |
|-------------|--|------|
| NB-GS3226FP | 2*1000M SFP slot, 24*10/100/1000 Base-Tx L2 managed PoE Switch ,PoE Standard: IEEE 802.3af/at. | pc |