**Datasheet**

ALAXALA compact gigabit layer2 switch

# AX2600S Series

## 1. Outline

ALAXALA Gigabit Layer 2 Switch Series, AX2600S, is available in four models.

**Figure 1 AX2630S-24T4XW**

**Figure 2 AX2630S-48T4XW**

**Figure 3 AX2630S-24P4XW**

**Figure 4 AX2630S-48P4XW**

**The AX2630S Series** supports **Zero Trust Security features** such as user authentication and micro-segmentation, **authenticity verification features** that can detect device tampering in supply chain, and **highly reliability features** such as stacking, 10G and power redundancy. These features realize high security and reliability for uninterruptible mission-critical networking.

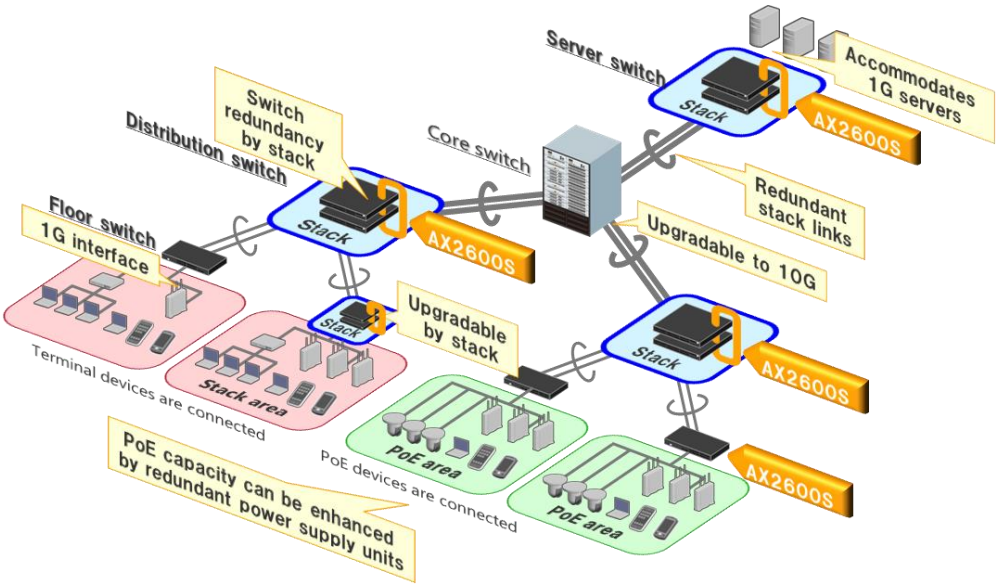


**Figure 5 Network using distribution switches and floor switches**

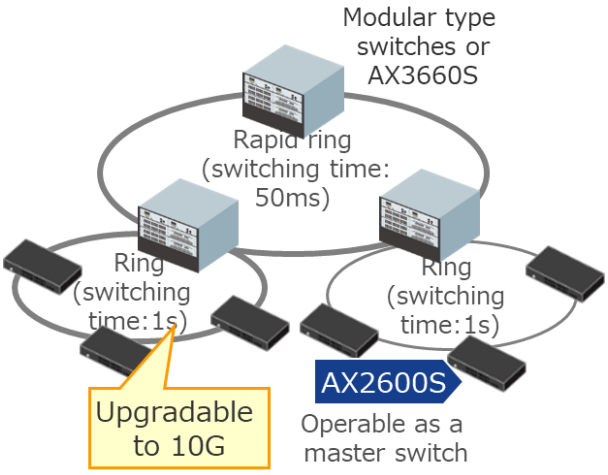


**Figure 6　Ring network using a master switch**

**Table 1　Applicable positions**

| Applicable position | | Points |
|---|---|---|
| Campus network | Distribution switch | ・Multiport accommodation and switch redundancy by stack<br>・Option license to upgrade 1G uplink (4 ports) to 10G uplink (4 ports)<br>・**Secure Boot** to check and start up the device / OS after verifying that they had not been tampered |
| | Floor switch | ・Multiport accommodation and switch redundancy by stack<br>・Authentication (triple authentication, multistep authentication)<br>・Option license to upgrade 1G uplink (4 ports) to 10G uplink (4 ports)<br>・PoE capacity of max.144W capable of connecting many WiFi access points and high-performance network cameras<br>・**Telemetry** function that enables real-time transmission of mirror data periodically or when an event occur<br>・Settings automated by **Python** or **Ansible**<br>・**Secure Boot** to check and start up the device / OS after verifying that they had not been tampered |
| Ring network | Master switch<br>Transit switch | ・Option license to upgrade 1G uplink (4 ports) to 10G uplink (4 ports)<br>・Stable operation and high availability<br>(Autonomous Extensible Ring Protocol)<br>・TCO reduction (power consumption, operation manageability)<br>・Compact 1U size body |

# 2. Features

## 2.1 Features of AX2600S series

(1) High reliability with various redundancy features (e.g. stacking, 10G and power supply redundancy)

・Realizes high reliability with its high performance stack proven by AX2530S series, redundancy features such as 10G rings, and a built-in duplex power supply unit, which was first adopted as a layer-2 switch.

(2) **Uplink performance of max.40Gbps**

・By applying the uplink 10G option license, you can upgrade 1G uplink (4 port) to 10G (10GBASE-R SFP + 4 ports). 10G link aggregation expands bandwidth up to 40G.

・Operable as a transit switch for 10G rings, and can configure a highly reliable broadband backbone.

(3) **Industry-leading PoE capacity**

・**PoE/PoE+** is supported, and 15W/30W power can be supplied per port. The power of the entire system is 1440W (the industry's highest level achieved by an edge switch) *1.

・**Peak shift power supply function**

Time-shifting power supply to PoE ports ensures stable power supply to the power-receiving equipment and prevents unstable communication during recovery from a power failure.

*1: Industry's highest level achieved by a 1U box-type switch through its main body only (according to ALAXALA's research).

(4) **Easy-to-operate function that greatly reduces the workload of network managers**

・**Easy operation/automation**

Supports various tools to automate operations. The advanced script language **Python** monitors logs and timers and executes commands when events occur, and the configuration management tool **Ansible** automatically performs routine processes and settings. In addition, **MC operation mode** reduces the burden of device replacement and restoration by synchronizing the edge switch's software / device data with a switch memory card in advance.

・**Zero Touch Provisioning**

**AX-Network Manager (**operation control product) eases the replacement of an edge switch for maintenance and failure recvery. If only the name of the device is set on the substitute machine, you can automatically set the preset data and software without inputting commands.

(5) **Cyberattack-resistant security**

・**Secure Boot**

Confirms that the hardware and software have not been tampered with. Each time the device is started, the system prevents unauthorized access and information theft/leakage, which may be caused through a backdoor in the system.

・**Zero Trust Security**

Realizes zero-trust security of campus networks (e.g., automatically detecting and blocking malware infected terminals, and detecting anomalies such as cyberattacks) with various security solutions: access control by network authentication, automatic cyberattack prevention, network visualization, failure detection solution, etc.

・**Network authentication**

IEEE802.1X, MAC authentication, and Web-based authentication are supported and required to connect to the network. In addition, multi-step authentication, which allows access only when permitted by a combination of terminal authentication and user authentication, is supported. Furthermore, fine-grained access control can be achieved by applying the dynamic VLAN (option for network authentication) according to the system

configuration.

(6) **Superior network management, maintenance and operation**

・**USB memory card**

USB memory card can be used to easily back up the configuration and collect error messages.

・**MC operation mode**

By inserting USB memory card into AX2630S, the software and device information is saved. After that, if configuration settings are changed, the changes are saved automatically. In addition, when a factory-shipped AX2630S is started with USB memory card inserted therein, the device starts with the previously saved software and device information (including the configuration), and the transition time from the active device to the backup device can be shortened.

(7) **Communication quality assurance through QoS**

・High-performance hardware-based QoS

・Variety of QoS control functions

L2-QoS (IEEE802.1p, bandwidth control, priority control, discard control, etc.),
IP-QoS (Diff-Serv, bandwidth control, priority control, discard control, etc.)

(8) **Compactness and reduced environmental impact**

・Compact body

1U-height device capable of accommodating up to 48 ports of 10BASE-T/100BASE-TX/1000BASE-T.

・Reduces environmental impact by complying with RoHS.

(9) **Telemetry function**

・**Monitoring and automation to reduce the burden on network managers**

Supports the PUSH type telemetry function*2, which sends a large amount of data at one time.

*2: To be supported in the future.

(10) **Fanless design and environmental resistance**

・**Fanless** (AX2630S-24T4XW)

In addition to reducing the problems caused by dust sucked into the device, a quiet, noise-free office environment is realized.*3

*3: AC power supply (PS-26AF15) installed in the dual power supply set and DC power supply (PS-26DF15) installed in the AC/DC power supply set are equipped with cooling fans.

# 3. Specifications

## 3.1 Main unit specifications

**Table 2 Specifications of Main Unit (1/2)**

| Specifications | | | | | | |
|---|---|---|---|---|---|---|
| | | | AX2630S-24T4XW | | AX2630S-48T4XW | |
| Max. switching capacity (Gbit/s) | | | 132 | | 180 | |
| Packet processing performance (Mpacket/s) (Note 1) | Max. packet forwarding rate | | 98.2 | | 133.9 | |
| Network interface | 10GBASE-SR/LR/ER/BR/CU (SFP+) | | 4 (Note 2) (Note 3) | | 4 (Note 2) (Note 3) | |
| | 1000BASE-SX/LX/LH/BX (SFP) | | 2+4 (Note 2) (Note 3) | | 2+4 (Note 2) (Note 3) | |
| | 10/100/1000BASE-T (UTP) | | 24 | | 48 | |
| | 10/100/1000BASE-T (UTP) [PoE/PoE+] | | - | | - | |
| Amount of memory installed (MB) | | | 2048 | | | |
| Number of memory card slots | | | USB Type-A storage port x 1 | | | |
| Redundancy | | | Power supply (AC or AC/DC mixed) | | | |
| Cooling system | | | Fanless (Note 5) | | - | |
| Power supply conditions | Voltage | Rated voltage (V) | AC100 to 120 / AC200 to 240 | DC-48 | AC100 to 120 / AC200 to 240 | DC-48 |
| | | Fluctuation range (V) (Note 6) | AC90 to 132 / AC180 to 264 | DC-40 to -57 | AC90 to 132 / AC180 to 264 | DC-40 to -57 |
| | Frequency (Hz) | | 50 / 60 | - | 50 / 60 | - |
| | Max. input current (A) | | 0.8@AC100V 0.4@AC200V | 1.0@DC-48V | 0.9@AC100V 0.5@AC200V | 1.7@DC-48V |
| | Max. apparent power (VA) | | 80 | - | 90 | - |
| | Max. power consumption (W) | | 45 | | 80 | |
| | PoE capacity (W) | | - | | - | |
| | AC wall outlet | | Grounding type: 2-pole plug (Note 10) | Screw-type cable plug connector | Grounding type: 2-pole plug (Note 10) | Screw-type cable plug connector |
| Heating value (kJ/h) | | | 162 | | 288 | |
| Noise | | | 46 to 63 dB or less (Note 12) | | 53 dB or less | |
| Equipment conditions | Dimensions: W x D x H (mm) (height: U) | | 440 x 350 x 44 (1U) | | | |
| | Weight (kg) (including power supply units) | | 4.4 | | 4.9 | |
| Energy saving efficiency measured according to Energy Conservation Act (Note 13) | Energy efficiency (W/(Gbit/s)) | | Category A 0.5 (reference value: 1.5) | | Category A 0.7 (reference value: 1.6) | |
| | Max. effective transmission rate (Gbit/s) | | 66 | | 90 | |
| | Transmission rate and port count | 10Gbit/s | 4 | | 4 | |
| | | 1Gbit/s | 26 | | 50 | |
| Environmental conditions | Temperature | Allowable operating range | 0℃ to 45℃ (Note 14) | | 0℃ to 50℃ | |
| | | Non-operating (when powered off) | -10℃ to 50℃ | | | |
| | | Storage/transportation temperature | -25℃ to 65℃ | | | |
| | Relative humidity | Allowable operating range | 10% to 90% (non-condensing) | | | |
| | | Non-operating (when powered off) | 8% to 90% (non-condensing) | | | |
| | | Storage/transportation temperature | 5% to 90% (non-condensing) | | | |
| | Floating dust | | Floating dust of about 10 microns or less: 0.15mg/m$^3$ | | | |
| | Vibration (m/s$^2$) | | 2.45 or less | | | |
| Applied standards | EMI | | VCCI Class A | | | |
| | Harmonic current | | IEC 61000-3-2 | | | |
| | EMS | | EN55035 | | | |
| | Safety standards | | IEC62368-1 compliant | | | |
| | Related laws and regulations | | Electrical Appliance and Material Safety Law (Power Cables) | | | |

## Table 3 Switch specifications (2/2)

| Specifications | | | | |
|---|---|---|---|---|
| | | | AX2630S-24P4XW | AX2630S-48P4XW |
| Max. switching capacity (Gbit/s) | | | 132 | 180 |
| Packet processing performance (Mpacket/s)(Note 1) | Max. packet forwarding rate | | 98.2 | 133.9 |
| Network interface | 10GBASE-SR/LR/ER/BR/CU (SFP+) | | 4 (Note 2) (Note 3) | 4 (Note 2) (Note 3) |
| | 1000BASE-SX/LX/LH/BX (SFP) | | 2+4 (Note 2) (Note 3) | 2+4 (Note 2) (Note 3) |
| | 10/100/1000BASE-T (UTP) | | - | - |
| | 10/100/1000BASE-T (UTP) [PoE/PoE+] | | 24 | 48 |
| Amount of memory installed (MB) | | | 2048 | |
| Number of memory cards slots | | | USB Type-A storage port x 1 | |
| Redundancy | | | AC power (Note 4) | |
| Cooling system | | | — | |
| Power supply conditions | Voltage | Rated voltage (V) | AC100 to 120 / AC200 to 240 | |
| | | Fluctuation range (V) (Note 6) | AC90 to 132 / AC180 to 264 | |
| | Frequency (Hz) | | 50 / 60 | |
| | Max. input current (A) | | 8.5@AC100V<br>4.3@AC200V | 12@AC100V<br>6.5@AC200V |
| | Max. apparent power (VA) | | 910 | 1800 |
| | Max. power consumption (W) | | 890 | 1760 |
| | PoE capacity (W) | | 535 per device (Note 7)<br>720 per device (Note 9) | 785 per device (Note 8)<br>1440 per device (Note 9) |
| | AC wall outlet | | Grounding type: 2-pole plug (Note 10) | |
| Heating value (kJ/h) | | | 612 (Note 11) | 1152 (Note 11) |
| Noise | | | 38 to 79 dB or less | 49 to 75 dB or less |
| Equipment conditions | Dimensions: W x D x H (mm) (height: U) | | 440 x 350 x 44 (1U) | |
| | Weight (kg) (including power supply units) | | 5.8 | 6.4 |
| Energy saving efficiency measured according to Energy Conservation Act (Note 13) | Energy efficiency (W/(Gbit/s)) | | Category A 0.7<br>(reference value: 2.0) | Category A 0.9<br>(reference value: 2.1) |
| | Max. effective transmission rate (Gbit/s) | | 66 | 90 |
| | Transmission rate and port count | 10Gbit/s | 4 | 4 |
| | | 1Gbit/s | 26 | 50 |
| Environmental conditions | Temperature | Allowable operating range | 0℃ to 50℃ | |
| | | Non-operating (when powered off) | -10℃ to 50℃ | |
| | | Storage/transportation temperature | -25℃ to 65℃ | |
| | Relative humidity | Allowable operating range | 10% to 90% (non-condensing) | |
| | | Non-operating (when powered off) | 8% to 90% (non-condensing) | |
| | | Storage/transportation temperature | 5% to 90% (non-condensing) | |
| | Floating dust | | Floating dust of about 10 microns or less: 0.15mg/m$^3$ | |
| | Vibration (m/s$^2$) | | 2.45 or less | |
| Applied standards | EMI | | VCCI Class A | |
| | Harmonic current | | IEC 61000-3-2 | |
| | EMS | | EN55035 | |
| | Safety standards | | IEC62368-1 compliant | |
| | Related laws and regulations | | Electrical Appliance and Material Safety Law (Power Cables) | |

[Notes for Table 2 and Table 3]

Note 1: The measurement conditions are as follows.
- Physical Medium: 1000BASE-T,1000BASE-X
- Packet type: Layer 2 relay, no flooding
- Packet Length: 64 bytes
- QoS, filtering: not configured

Note 2: These ports are shared by 10GBASE-R(SFP+) and 1000BASE-X(SFP). You cannot use 10GBASE-R(SFP+) and 1000BASE-X(SFP) simultaneously. An uplink 10G option license is required if you want to use 10GBASE-R or a direct attach cable. Note that direct attach cables can also be used on two ports.

Note 3: Adding a stack option license allows you to use the two ports as stack ports.

Note 4: When used in a power supply redundancy configuration.

Note 5: AC power supply (PS-26AF15) installed in the dual power supply set and DC power supply (PS-26DF15) installed in the AC/DC power supply set are equipped with cooling fans.

Note 6: The range to guarantee normal operation.

Note 7: This value applies when one power supply unit is used. If the power of the power receiving device is Class3 (15.4W), the maximum number of ports that can be simultaneously powered is 24. For Class4 (30.0W), the maximum port count is 17.

Note 8: This value applies when one power supply unit is used. If the power of the power receiving device is Class3 (15.4W), the maximum number of ports that can be simultaneously powered is 48. For Class4 (30.0W), the maximum port count is 26.

Note 9: This value applies when two power supply units are used. If the PoE enhanced mode is set, all ports can be powered with Class3 (15.4W) or Class4 (30.0W) power.

Note 10: For AC100V power cord attached to the equipment. The power cord for AC200V is available as a common option. For the power supply connector form of the AC200V power cord, refer to the Hardware Instruction Manual.

Note 11: Heating value of this device only. This does not include the calorific value of PD (power receiving device).

Note 12: This value applies when AC power supply (PS-26AF15) or DC power supply (PS-26DF15) is installed.

Note 13: Values are based on the measurement method stipulated in the Energy Saving Law.

Note 14: The upper limit is 40°C when using SFPP-ER.

## 3.2 Function list

Table 4 lists the supported functions and their standards.

**Table 4 AX2600S series functions**

| Category | Function | | Compliance standards | Remarks |
|---|---|---|---|---|
| LAN | Ethernet | 10BASE-T/100BASE-TX/ 1000BASE-T | IEEE802.3 IEEE802.3u IEEE802.3a b | |
| | | 10BASE-T/100BASE-TX/ 1000BASE-T(PoE/PoE+) | IEEE802.3af IEEE802.3at | |
| | | 1000BASE-X(SX/LX) | IEEE802.3z | |
| | | 1000BASE-X(BX) | IEEE802.3ah | |
| | | 1000BASE-X(LH) | - | |
| | | 10GBASE-R(SR/LR/ER)(SFP+) | IEEE802.3ae | Option license OP-ULTG is needed. |
| | | 10GBASE-R(BR)(SFP+) | - | Option license OP-ULTG is needed. |
| | | 10GBASE-CU(SFP+) | - | Option license OP-ULTG is needed. |
| | | Flow control | IEEE802.3x | |
| | | link debounce/link up debounce | - | |
| | | test interface | - | (Note 1) |
| | Auto negotiation extension | 10BASE-T/100BASE-TX/ 1000BASE-T downshift | - | |
| | PoE time-shifting power supply | | - | |
| | Link aggregation | | IEEE802.3ad (IEEE802.1AX) | |
| | Jumbo frame | | - | |
| Layer 2 function | Transparent bridge | | - | |
| | VLAN | Port VLAN | IEEE802.1Q | |
| | | VLAN tagging | IEEE802.1Q | |
| | | Protocol VLAN | - | |
| | | MAC VLAN | - | |
| | | Tag translation | - | |
| | | VLAN debounce | - | |
| | VLAN tunneling | | - | |
| | Inter-port relay blocking | | - | |
| | Spanning tree | STP | IEEE802.1D IEEE802.1t | (Note 2) |
| | | RSTP | IEEE802.1w | |
| | | MSTP | IEEE802.1s | |
| | | PVST+ | - | |
| | | BPDU filter | - | |
| | | Loop guard | - | |
| | | Root guard | - | |
| | Autonomous Extensible Ring Protocol | Master node | - | (Note 3) |
| | | Transit node | - | |
| | | Shared node | - | |
| | | Multiple failure monitoring function | - | |
| | | Ring with STP | - | |
| | Uplink redundancy | | - | |
| | DHCP snooping | | RFC2131 | |
| | IGMP / MLD Snooping | IGMPv1 snooping | RFC4541 RFC2236 RFC2710 RFC3376 | (Note 1) |
| | | IGMPv2 snooping | | |
| | | IGMPv3 snooping | | |
| | | IGMP snooping fast-leave feature | | |
| | | IGMP snooping multicast router port auto-learning | | |
| | | MLDv1 snooping | | |
| | | MLDv2 snooping | | |
| | Storm control | | — | |
| | IEEE802.3ah/UDLD | | IEEE802.3ah | (Note 4) |
| | L2 loop detection | | — | |
| | CFM (Connectivity Fault Management) (Ether OAM) | | IEEE802.1ag | (Note 1) |
| | LLDP | | IEEE Std 802.1AB-2009 IEEE802.1AB Draft 6 | |
| | Flush Request frame (GSRP) reception | | - | |
| | Flush control frame (uplink redundancy) reception | | - | |

| Category | Function | | | Compliance standards | Remarks |
|---|---|---|---|---|---|
| Layer 3 function | IPv4 | IP,ARP,ICMP | | RFC791 RFC792 RFC826 RFC922 RFC950 RFC1027 RFC1122 RFC1519 RFC1812 RFC2644 | |
| | IPv4 DHCP server | | | RFC2131 RFC2132 RFC2136 RFC3046 RFC4702 | |
| | IPv6 | IPv6, NDP, ICMPv6 | | RFC2474 RFC2710 RFC4291 RFC4443 RFC4861 RFC4862 RFC8200 | |
| Additional function | Filter | Flow detection | Layer 2 conditions | - | |
| | | | Layer 3 conditions (IPv4) | | |
| | | | Layer 3 conditions (IPv6) | | |
| | | | Layer 4 conditions | | |
| | QoS / Diff-Serv | Flow detection | Layer 2 conditions | - | |
| | | | Layer 3 conditions (IPv4) | | |
| | | | Layer 3 conditions (IPv6) | | |
| | | | Layer 4 conditions | | |
| | | Bandwidth monitoring | | - | |
| | | Marker | User priority rewrite | - | |
| | | | DSCP marking | RFC2474 RFC2475 RFC2597 RFC3246 RFC3260 | |
| | | Prioritization | CoS mapping | RFC2597 RFC3246 RFC3260 | |
| | | | Output priority control | | |
| | | Shaper | PQ | - | |
| | | | PQ+RR | - | Possible by setting the weights equally |
| | | | PQ+DRR | - | DRR: Weighted (bytes) round robin |
| | | Tail drop | | - | |
| | Layer 2 authentication | IEEE 802.1X | Fixed VLAN mode (per-port authentication) | IEEE802.1X RFC2865 RFC2866 RFC2868 RFC2869 RFC3162 RFC3579 RFC3580 RFC3748 | |
| | | | Dynamic VLAN mode | | |
| | | Web authentication | Fixed VLAN mode | - | |
| | | | URL redirection | | |
| | | | Keep Alive | | |
| | | | Dynamic VLAN mode | | |
| | | | URL redirection | | |
| | | MAC authentication | Fixed VLAN mode | - | |
| | | | Dynamic VLAN mode | | |
| | | Common features | IPv4 access list for authentication | - | |
| | | | MAC access list for authentication | | |
| | | Multi-step authentication | | - | |
| | Port mirroring | Local | | - | |
| | | 802.1Q Tag assignment | | - | |
| | Policy-based mirroring (reception) | Local | | - | |
| Stack | Stack features | Over-switch LA | | - | OP-STK option (Note 5) |
| | | Stack port | Ethernet | - | |
| | | | Grouping | - | |
| | | Unified management | IP address for stack management | - | |
| | | | Device MAC address | - | |
| | | | Configuration | - | |
| | | | Remote command | - | |
| | | Availability | Upgrade: Non-stop upgrade | - | |

| Category | Function | | | Compliance standards | Remarks |
|---|---|---|---|---|---|
| Reliability | Environmental monitor | | | - | |
| | Self-diagnosis | | | - | |
| | Gigabit switch redundancy protocol (GSRP) | GSRP aware | | - | |
| Networ manage ment | SNMP(v1/v2c/v3) | | | RFC1155 RFC1157<br>RFC1901 RFC1902<br>RFC1903 RFC1904<br>RFC1905 RFC1906<br>RFC1907 RFC1908<br>RFC2578 RFC2579<br>RFC2580 RFC3410<br>RFC3411 RFC3412<br>RFC3413 RFC3414<br>RFC3415 RFC3416<br>RFC3417 RFC3418<br>RFC3584 | |
| | MIB-II, RMON, IP Forwarding MIB, Interface MIB | | | RFC1158 RFC1213<br>RFC1354 RFC1757<br>RFC2233 | (Note 6) |
| | dot1dBridge MIB | | | RFC1493 | RFC2674 |
| | Ethernet MIB | | | RFC1643 | RFC3621 |
| | CFM-MIB | | | IEEE802.1ag | (Note 1) |
| | LLDP MIB | | | IEEE Std 802.1AB-2009 | |
| | LLDP-EXT-DOT1-V2-MIB | | | IEEE Std 802.1AB-2009 | |
| | sFlow | | | RFC3176 | |
| | Private MIB | Statistical information | | - | |
| | | L2 (VLAN, FDB) data | | - | |
| | | Neighbor discovery protocol (LLDP) data | | - | |
| | | Filter/QoS data | | - | |
| | | System data (startup information, login) | | - | |
| | | Device data | | - | |
| | | sFlow data | | - | |
| | SYSLOG | | | RFC5424 | |
| | AX-Security-Controller | | | - | |
| Operation & manage ment | Operation terminal device connection | Serial (console) | | - | |
| | | TELNET, FTP, TFTP | | RFC854 RFC855<br>RFC959 | |
| | Configuration | CLI | | - | |
| | Security | Login authentication (password/host address/RADIUS/ TACACS+) | | RFC2865 RFC2866<br>RFC2869 RFC3162<br>RFC3579 RFC3580<br>RFC3748 | RADIUS compliant standards |
| | | | | draft-grant-tacacs-02-txt | TACACS+ compliant standards |
| | | SSH | Version 1 (Note 7) | draft-ylonen-ssh-protocol-00.txt | |
| | | | Version 2 | RFC4251 RFC4252<br>RFC4253 RFC4254<br>RFC4344 RFC4419<br>RFC4716 RFC5656<br>RFC6668 RFC8268<br>draft-ietf-secsh-filexfer-13 | |
| | Collection of management information | Device/interface status display | | - | |
| | | Operation message log | | - | |
| | | Statistics for each link | | - | |
| | Advanced script (Python) | Basic function | | - | |
| | | Command script | | - | |
| | | Resident script | | - | |
| | | Event monitoring function | System message monitoring | - | |
| | | | Timer monitoring | - | |
| | | Applet function | Event startup script | - | |

| Category | Function | | | Compliance standards | Remarks |
|---|---|---|---|---|---|
| | MC operation mode | | | - | |
| | Zero touch provisioning | | | - | (Note 1) |
| | NTP | | | RFC5905 | |
| | Commandless maintenance | | | - | |
| | Energy saving function | Port power saving | EEE (Energy-Efficient Ethernet) | IEEE 802.3az | |
| | | Power consumption data display | | - | |
| | Long life solution | Temperature log | | - | |
| | | Fan control | | - | |
| | Secure boot | | | - | |

[Legend] - : No compliant standard
Note 1: Does not operate during stacking.
Note 2: Combination with Ring feature is not supported when stacked.
Note 3: Combination with shared node operation, multiple failure monitoring and STP is not supported when stacked.
Note 4: Only Information OAMPDU is supported.
Note 5: Ports configured as stack ports cannot be used for the purpose other than the stack ports.
Note 6: RMON is not available when stacked.
Note 7: For software delivered after 2022, SSH Version 1 may be discontinued.

[Issue]
November 2022 （Ver.2.2 1st edition）



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