# **AX3640S Series**





# High Performance, Reliable and Feature-rich Full Layer 3 1G/10G Switches

The AX3640S models, featuring extended entry capacity and enhanced filtering functions, are the advanced models of the AX3630S. The AX3640S supports 10 G uplinks and power source redundancy, as a compact 1U-size layer 3 gigabit switch optimized for mission-critical networks for social infrastructure and providers. In cooperation with the leading-edge high reliability function and the advanced security function of the AX6000S family, it offers high performance, high reliability networks.





## AX3640S-24TW



#### AX3640S-24T2XW

#### High Routing Performance (IPv4/IPv6)

- Routing functions equivalent to highly proven, reliable carrier grade routers
- © Routing software equivalent to the AX7800R series routers whose performances were highly proven by ISPs/carriers.
- Uses OSPF and BGP for site-to-site connection utilizing wide-area Ethernet services and IP-VPN services, allowing for load balance with high-reliability routing and multipath connections.
- IPv6/multicast-enabled
- Hardware-based IPv6 routing like IPv4 routing.
- Supports protocols such as Static, RIPng, OSPFv3, BGP4+, and Multicast, allowing for a variety of IPv6 networks.

#### High Reliability and High Availability

- High reliability features
- Olmproves line and route reliability with link aggregation, different STPs, Graceful Restarts (helpers), VRRP, as well as ALAXALA proprietary functions, such as GSRP (Gigabit Switch Redundancy Protocol), VRRP polling, static polling, uplink redundant, L2 loop detection, and EtherOAM.
- ■L2 ring protocol
- © The non-STP ring topology provides highly stable L2 redundancy capable of high-speed switching. Multi-ring topologies enable flexible network configuration.
- ■Hot swap power supply
  - Built-in redundant power supplies enable hot swapping, making it possible to replace a power supply unit without halting power feeding operation in the event of a power failure (excluding the AX3640S-24T).

#### Compact Size with 10 G Uplink

- Compact
- © 1U size for all models.
- 10 G uplink
- © Provides a high performance 10 G network in combination with the AX6000S family on a local network.



#### AX3640S-24S2XW

#### **Power Saving**

- ■Low power consumption
- Architecture and circuit design focused on low power consumption
- Unused port disenabling function that reduces unnecessary power consumption
- © Energy-saving parts that reduce power consumption

### **Communication Quality Assurance**

- ■QoS function
- O Delivers clear voice by prioritizing VoIP packets over other packets in a voice/data integrated network, with various kinds of shapers (such as PQ, WRR, and WFQ).

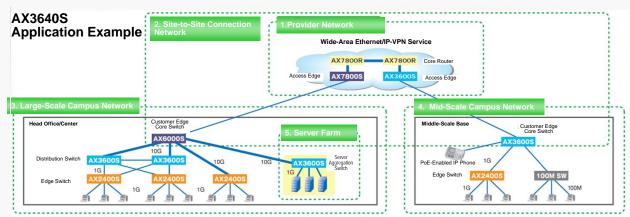
#### Advanced Security

- ■Authentication/quarantine solutions
- Supports triple authentication (IEEE 802.1X/Web/MAC), allowing for user authentication even in a system environment with mixed operating systems or terminals. (One unit can authenticate up to 1024 terminals.)
- © Combined with authentication/quarantine servers, achieves quarantine solution in which only PCs that have passed quarantine checks are allowed to access a network.
- ■Packet filtering function
- © Eliminates unauthorized traffic into servers or base edges with an outbound filter and an inbound filter.

### **Operability**

- ■Simplified maintenance
- © Simplifies and reduces the time for maintenance with command-free maintenance to easily back up configurations and collect information on fautls.
- ■OAN cooperation
  - OIn cooperation with ALAXALA's network integration management system OAN (Open Autonomic Networking), enables automation of advanced operations with an easy-tounderstand GUI.

for the guaranteed network



Application position		Point				
Provider network	Access edge	Stable operation of routing protocols such as OSPF     Support of cutting-edge functions such as IPv6 and multicast	High reliability (VRRP polling, GSRP)     Built-in redundant power supply			
2. Site-to-site connection network	Customer edge	Stable operation of routing protocols such as OSPF     Support of cutting-edge functions such as IPv6 and multicast	High reliability (VRRP polling, GSRP)     Compact			
Large-scale campus network	Distribution switch	-10G system -Security function (flow monitoring, authentication, quarantine) -High reliability (GSRP, link aggregation)	•Compact •TCO reduction (power consumption, operation management efficiency)			
4. Middle-scale campus network	Core switch	Middle-scale core switch housing wireless AP and IP phone     Security function (flow monitoring, authentication, quarantine)     High reliability (GSRP, link aggregation)	Compact     TCO reduction (power consumption, operation management efficiency)			
5. Server farm	Server aggregation switch	-IG multiport -10G uplink	Compact     TCO reduction (power consumption, operation management efficiency)			

# **AX3640S Product Specifications**

	Model	AX3640S-24T	AX3640S-24TW	AX3640S-24T2XW	AX3640S-48TW	AX3640S-48T2XW	AX3640S-24SW	AX3640S-24S2XW	
Performance	Maximum switching capacity	48Gbps	48Gbps	88Gbps	96Gbps	136Gbps	48Gbps	88Gbps	
	Maximum packet forwarding performance	35.7Mpps	35.7Mpps	65.5Mpps	71.4Mpps	101.2Mpps	35.7Mpps	65.5Mpps	
Port count	10GBASE-SR/LR/ER/ZR(XFP)	-	-	2	-	2	-	2	
	1000BASE-SX/SX2/LX/LH/BX/LHB (SFP)	4*1	4 <sup>#1</sup>	4#1	4 <sup>#1</sup>	-	24 <sup>#1</sup>	24#1	
	10/100/1000BASE-T(SFP)	-	-	-	-	-	20*2	20#2	
	10/100/1000BASE-T	24#1	24#1	24#1	48#1	48	4#1	4#1	
Routing	IPv4 Unicast	Static, RIP, RIP2, OSPF, BGP4, IS-IS <sup>60</sup> , stub router (OSPF)							
protocol	Multicast	PIM-SM, PIM-SSM, IGMP/2/v3							
	IPv6 Unicast			Static, RIPng, OSF	PFv3, BGP4+, IS-IS <sup>#3</sup> , str	ub router (OSPFv3)			
	Multicast				M-SM. PIM-SSM. MLDv				
Layer 2	Maximum MAC entry count				32.768				
functions	VI AN			Port VI AN Tag-VI AN(II	,	AN MAC VI AN Tag tra	nslation		
	Spanning tree protocol (STP)	Port VLAN, Tag-VLAN(IEEE802.1Q), Protocol VLAN, MAC VLAN, Tag translation  STP(IEEE802.1D), RSTP(IEEE802.1w), PVST+, MSTP(IEEE802.1s), BPDU filter, root guard, loop guard							
	Layer 3 coordination functions	STP(IEEE002: ID), RSTP(IEEE002: IM), PSTF, MSTP(IEEE002: IM), PSTF, MSTP(IEEE002: ID), RSTP(IEEE002: ID), RS							
	Ring protocol	IGMI-Y172/JS SRIODJING, MILDV17/Z SRIODJING Autonomous Extensible Ring Protocol							
Network	Security	IEEE802 1V (port based	Lauthontication (VLANL)				ation filter (L2/IDv//IDv6/I	interception of relay	
functions	Jecumy	IEEE802.1X (port-based authentication/VLAN-based authentication (static/dynamic)), authentication VLAN, Web authentication, filter (L2/IPv4/IPv6/L4), interception of relay between ports, URL redirection (dynamic VLAN mode), URL redirection (fixed VLAN mode), MAC authentication (dynamic VLAN mode), MAC authentication (fixed VLAN mode)							
	QoS	Flow detection (L2/IPv4/IPv6/L4), bandwidth monitoring (rate control), marking (DSCP/user priority), priority control (flow base, user priority mapping),							
		discarding control (tail drop), shaping (8 classes, port band control, scheduling (PQ, WRR, PQ+DRR, WFQ)), Diff-serv, IEEE802.1p							
	L2-VPN	VLAN tunneling							
		Load balance (IPv4/IPv6), VRRP(IPv4/IPv6), static polling (IPv4/IPv6), VRRP polling (IPv4/IPv6), link aggregation (IEEE802.3ad), GSRP,							
	Reliability/operability Improvement	Load ba	lance (IPv4/IPv6), VRR	P(IPv4/IPv6), static pollin	ng (IPv4/IPv6), VRRP po	lling (IPv4/IPv6), link aggr	egation (IEEE802.3ad), 0	SSRP,	
	Reliability/operability Improvement functions					illing (IPv4/IPv6), link aggr al ProxyARP, GSRP awa			
Operation mar		uplink/redu	ndant, Graceful Restart	function#4, storm control,	IEEE802.3ah/UDLD, loc		re extended function, L2 le		
Operation mar	functions	uplink/redur SNMP	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M	function <sup>#4</sup> , storm control, IIB, IPv6 VRRP MIB, RM	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorin	al ProxyARP, GSRP awa	re extended function, L2 le SSHv2 <sub>#8</sub> , ftp, tftp, NTP,	oop detection,	
Operation mar	functions	uplink/redur SNMP	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M	function <sup>#4</sup> , storm control, IIB, IPv6 VRRP MIB, RM	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorin S+, LLDP, OADP, sFlow	al ProxyARP, GSRP awai ig, ping, traceroute, telnet,	re extended function, L2 le SSHv2 <sub>#8</sub> , ftp, tftp, NTP,	oop detection,	
	functions	uplink/redur SNMP	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M	function <sup>#4</sup> , storm control, IIB, IPv6 VRRP MIB, RM	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorin S+, LLDP, OADP, sFlow	al ProxyARP, GSRP awar ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M	re extended function, L2 le SSHv2 <sub>#8</sub> , ftp, tftp, NTP,	oop detection,	
Redundancy	functions nagement functions	uplink/redui SNMP IPv4 DHCP s	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V	function 4, storm control, IIB, IPv6 VRRP MIB, RM egation, RADIUS, TACAC AC100 to 120V /200 to 240V	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir S+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V	e extended function, L2 li SSHv2 <sub>#6</sub> , ftp, tftp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V	AC100~120V /200~240V	
Redundancy Equipment	functions nagement functions	uplink/redur SNMP IPv4 DHCP: - - AC100 to 120V /200 to 240V	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM egation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir S+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/I/C) AC100 to 120V /200 to 240V DC-48V	e extended function, L2 li SSHv2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V	AC100~120V /200~240V DC-48V	
Redundancy Equipment	functions nagement functions	uplink/redur SNMP IPv4 DHCP : - AC100 to 120V /200 to 240V - 0.8 @AC100V	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 N server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM ggation, RADIUS, TACAC  AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir S+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) —ACTIOD to 120V /200 to 240V DC-48V 1.5 @AC100V	e extended function, L2 li SSHv2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V	AC100~120V /200~240V DC-48V 1.0 @AC100V	
Redundancy Equipment	functions nagement functions	uplink/redur SNMP IPv4 DHCP: - - AC100 to 120V /200 to 240V	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM egation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir S+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/I/C) AC100 to 120V /200 to 240V DC-48V	e extended function, L2 li SSHv2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V	AC100~120V /200~240V DC-48V	
Redundancy Equipment	functions nagement functions	uplink/redur SNMP IPv4 DHCP : - AC100 to 120V /200 to 240V - 0.8 @AC100V	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 N server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM ggation, RADIUS, TACAC  AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir S+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) —ACTIOD to 120V /200 to 240V DC-48V 1.5 @AC100V	e extended function, L2 li SSHv2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V	AC100~120V /200~240V DC-48V 1.0 @AC100V	
Redundancy Equipment	functions  Input voltage  Maximum input current (A)  Maximum power consumption (W) (AC/DC)	uplink/redur SNMP IPv4 DHCP : 	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>54</sup> , storm control, IIB, IPv6 VRRP MIB, RM egation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir S+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135	e extended function, L2 Is SSHv2 <sub>ee</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V	
Redundancy Equipment	functions  Input voltage  Maximum input current (A)	uplink/redur SNMP IPv4 DHCP : - - AC100 to 120V /200 to 240V - 0.8 @AC100V 0.4 @AC200V - 75/ — 270/ —	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 N server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM gation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V	EEE802.3ah/UDLD, loc ON, syslog, port mirrorir SS+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V 2.7 @DC-48V 135/125 486/450	al ProxyARP, GSRP awai g, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135 522/486	e extended function, L2 li SSHv2 <sub>46</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V	
Redundancy Equipment	functions  Input voltage  Maximum input current (A)  Maximum power consumption (W) (AC/DC)	uplink/redur SNMP IPv4 DHCP : 	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM ggation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	EEE802.3ah/UDLD, loc ON, syslog, port mirrorir SS+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V 2.7 @DC-48V 135/125 486/450	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135	e extended function, L2 li SSHV2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V	
Redundancy Equipment	functions  Input voltage  Maximum input current (A)  Maximum power consumption (W) (AC/DC)  Maximum heat output (kJ/h) (AC/DC)	uplink/redur SNMP IPv4 DHCP : - - AC100 to 120V /200 to 240V - 0.8 @AC100V 0.4 @AC200V - 75/ — 270/ —	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM ggation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir S+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V 2.7 @DC-48V 135/125 486/450	al ProxyARP, GSRP awai g, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135 522/486	e extended function, L2 li SSHV2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	
Redundancy Equipment conditions	functions Input voltage  Maximum input current (A)  Maximum power consumption (W) (AC/DC)  Maximum heat output (kJ/h) (AC/DC)  Outer dimensions (W x D x Hrmm) (height [U])  Weight (kg) ( with full installation)  Permissible operation temperature range	uplink/redur SNMP IPv4 DHCP : - - AC100 to 120V /200 to 240V - - 0.8 @AC100V 0.4 @AC200V - - 75/— 270/— 445 x 380 x 43 (1U)	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM ggation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir cS+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V 2.7 @DC-48V 135/125 486/450 445 x 9. 0 to 40°C	al ProxyARP, GSRP awai g, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135 522/486 440 x 43 (1U)	e extended function, L2 li SSHV2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V	
Redundancy Equipment conditions	functions Input voltage Maximum input current (A) Maximum power consumption (W) (AC/DC) Maximum heat output (kJ/h) (AC/DC) Outer dimensions (W x D x H(mm) (height [U]) Weight (kg) ( with full installation)	uplink/redur SNMP IPv4 DHCP : - - AC100 to 120V /200 to 240V - - 0.8 @AC100V 0.4 @AC200V - - 75/— 270/— 445 x 380 x 43 (1U)	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM ggation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir cS+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V 2.7 @DC-48V 135/125 486/450 445 x 9.	al ProxyARP, GSRP awai g, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135 522/486 440 x 43 (1U)	e extended function, L2 li SSHV2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	
Redundancy Equipment conditions	functions Input voltage  Maximum input current (A)  Maximum power consumption (W) (AC/DC)  Maximum heat output (kJ/h) (AC/DC)  Outer dimensions (W x D x Hrmm) (height [U])  Weight (kg) ( with full installation)  Permissible operation temperature range	uplink/redur SNMP IPv4 DHCP : - - AC100 to 120V /200 to 240V - - 0.8 @AC100V 0.4 @AC200V - - 75/— 270/— 445 x 380 x 43 (1U)	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM ggation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir cS+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V 2.7 @DC-48V 135/125 486/450 445 x 9. 0 to 40°C	al ProxyARP, GSRP awai g, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135 522/486 440 x 43 (1U)	e extended function, L2 li SSHV2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V	
Redundancy Equipment conditions	functions Input voltage  Maximum input current (A)  Maximum power consumption (W) (AC/DC) Maximum heat output (kJ/h) (AC/DC) Cuter dimensions (W x D x H(mm) (height [U]) Weight (kg) ( with full installation) Permissible operation temperature range Temperature when not operating White not appoint our output (kJ/h) Temperature at storage and transport Permissible operation humidity range	uplink/redur SNMP IPv4 DHCP : - - AC100 to 120V /200 to 240V - - 0.8 @AC100V 0.4 @AC200V - - 75/— 270/— 445 x 380 x 43 (1U)	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM egation, RADIUS, TACAC AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90 360/324	EEE802.3ah/UDLD, loc ON, syslog, port mirrorir SS+, LLDP, OADP, SFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V 2.7 @DC-48V 135/125 486/450 445 x 9. 0 to 40°C -10 to 43°C	al ProxyARP, GSRP awai g, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135 522/486 440 x 43 (1U) 0 or less	e extended function, L2 li SSHV2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	
Redundancy Equipment conditions	functions Input voltage  Maximum input current (A)  Maximum power consumption (W) (AC/DC) Maximum heat output (kJ/h) (AC/DC) Cuter dimensions (W x D x H(mm) (height [U]) Weight (kg) ( with full installation) Permissible operation temperature range Temperature when not operating White not appoint our output (kJ/h) Temperature at storage and transport Permissible operation humidity range	uplink/redur SNMP IPv4 DHCP : - - AC100 to 120V /200 to 240V - - 0.8 @AC100V 0.4 @AC200V - - 75/— 270/— 445 x 380 x 43 (1U)	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>84</sup> , storm control, runction <sup>84</sup> , storm control, runction runction, runctio	EEE802.3ah/UDLD, loc ON, syslog, port mirrorir cs+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4.@AC100V 0.7.@AC200V 2.7.@DC-48V 135/125 486/450 445 x 9. 0 to 40°C -10 to 43°C -25 to 65°C	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, V, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135 522/486 440 x 43 (IU) 0 or less	e extended function, L2 li SSHV2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90	
Redundancy Equipment conditions	Input voltage  Input voltage  Maximum input current (A)  Maximum power consumption (W) (AC/DC)  Maximum heat output (kJ/h) (AC/DC)  Outer dimensions (W x D x H(mm) (height [U]  Weight (kg) ( with full installation)  Permissible operation temperature range Temperature when not operating  (When not abooking current)  Temperature at storage and transport	uplink/redur SNMP IPv4 DHCP : - - AC100 to 120V /200 to 240V - - 0.8 @AC100V 0.4 @AC200V - - 75/— 270/— 445 x 380 x 43 (1U)	ndant, Graceful Restart v1/v2/v3, MIB-II, IPv6 M server/relay, Prefix Dele AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	function <sup>84</sup> , storm control, IIB, IPv6 VRRP MIB, RM gation, RADIUS, TACAC  AC100 to 120V /200 to 240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V 100/90 360/324	IEEE802.3ah/UDLD, loc ON, syslog, port mirrorir cS+, LLDP, OADP, sFlov Internal power AC100 to 120V /200 to 240V DC-48V 1.4 @AC100V 0.7 @AC200V 2.7 @DC-48V 135/125 486/450 445 x 9. 0 to 40°C -10 to 43°C -25 to 65°C 10% to 85% (no condens)	al ProxyARP, GSRP awai ig, ping, traceroute, telnet, v, OAN-API, AX-Config-M supply (AC/DC) AC100 to 120V /200 to 240V DC-48V 1.5 @AC100V 0.8 @AC200V 2.9 @DC-48V 145/135 522/486 440 x 43 (1U) 0 or less	e extended function, L2 li SSHV2 <sub>86</sub> , ftp, ftfp, NTP, aster, AX-Networker's-Uti AC100 to 120V /200 to 240V DC-48V 0.9 @AC100V 0.5 @AC200V 1.6 @DC-48V 85/75	AC100~120V /200~240V DC-48V 1.0 @AC100V 0.5 @AC200V 1.9 @DC-48V	

#1: 1000BASE-X (SPP) 4 ports and 10/100/1000BASE-1 4 ports are mutually exclusive (i.e., they cannot be used simultaneously); #2: Available only for 1000 BASE-X (SPP) fixed ports; #3: IS-IS is planned to be supported in future; #4: Helper functions (OSPF/OSPFv3) and receive-router functions (BGP4/BGP4+) are supported; #5: Input voltage of AC100 to 200V only, #6: SSH function is subject to export control regulations, and may be excluded when exported.

Ca

Caution For your safety, please be sure to read the Hardware Instruction Manual and the Safety Guide beforehand.

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