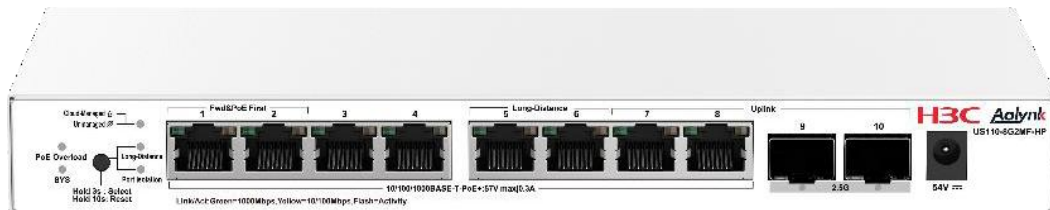


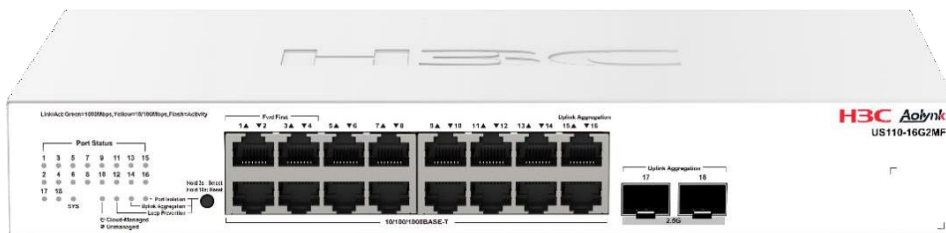
H3C Aolynk US110 Series Ethernet Switch

Product Overview

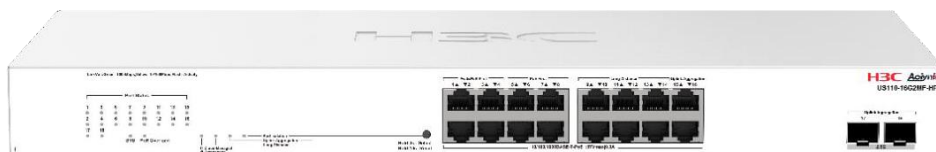
The H3C Aolynk US110 series is a new generation of Ethernet switches launched by H3C Technologies Co., Ltd. for the small and medium-sized commercial market. While providing high-performance access, as a Cloud-Managed switch, it boasts superior cost-effectiveness, greatly simplifying device operation and maintenance. It is suitable for network construction in industries such as government, education, hotels, and retail chain.



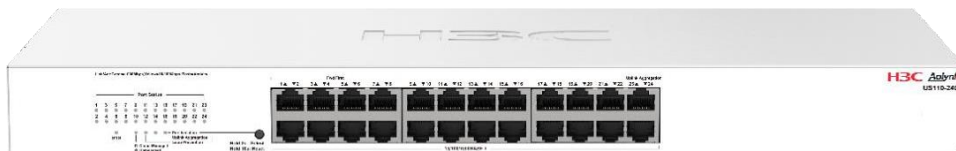
US110-8G2MF-HP



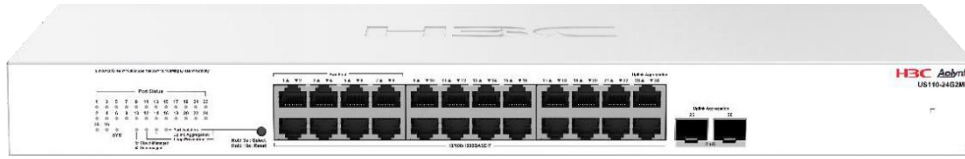
US110-16G2MF



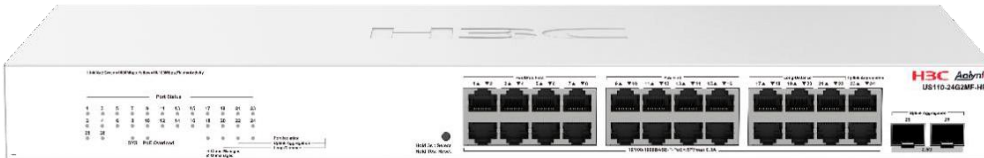
US110-16G2MG-HP



US110-24G



US110-24G2MF



US110-24G2MF-HP

Features

High reliability design

- Compliant with IEEE 802.3, 802.3u, 802.3x, and 802.3ab Ethernet standards
- 6kV professional surge protection and port protection, enhancing anti-interference and system stability.
- Built-in high-voltage professional power supply, supporting overcurrent and overvoltage protection, ensuring stable and reliable operation in harsh environments.

Flexible port configuration

- It provides both gigabit Ethernet ports and 2.5G fiber optic ports, balancing the reuse of existing infrastructure with bandwidth upgrades, and supporting flexible multi-service networking.
- Dual 2.5G optical port aggregation enables 5G uplink bandwidth, meeting the demands of high-bandwidth services.

Critical business assurance

- A forwarding priority mechanism ensures zero packet loss for critical services during network congestion.
- Power supply priority settings ensure uninterrupted power supply to critical devices such as access points (APs) and cameras when power is insufficient.

Convenient management functions

- Locally supports one-click switching between various service modes, including standard switching, port isolation, aggregation uplink, loop prevention, and long-distance transmission.
- Support Aolynk Cloud and App enable remote, visualized operation and maintenance, configuration adjustment, status monitoring, and rapid fault location.

PoE Smart Power Supply (PoE Model)

- Fast PoE: Power can supply power to PD devices within 10 seconds of power-on.

- Persistent PoE: Uninterrupted power supply during hot reboot
- PoE Watchdog: Automatic millisecond-level detection and restart in case of device failure
- Supports non-standard PoE devices, significantly improving compatibility.
- Supports power supply up to 250 meters away, enhancing deployment flexibility and power supply stability.

Product Specifications

property	Aolynk US110-16G2MF	Aolynk US110-24G	Aolynk US110-24G2MF
Size	294×179×43.6mm	440×173×43.6mm	440×173×43.6mm
Weight	≤1.88kg	≤2.36kg	≤2.43kg
Switching capacity	42Gbps	48Gbps	58Gbps
Packet forwarding rate	31.25Mpps	35.72Mpps	43.15Mpps
Fixed port	16 x 10/100/1000 Base-T Ethernet ports, 2 2.5G/1G SFP optical ports	24 x 10/100/1000 Base-T Ethernet ports	24 x 10/100/1000 Base-T Ethernet ports, 2 2.5G/1G SFP optical ports
Priority forwarding port	1-4 ports	1-8 ports	1-8 ports
Aggregation Uplink Port	15-16 ports, 17-18 ports	23-24 ports	23-24 ports, 25-26 ports
Button switch - mode switch	Options: 3S port isolation; aggregation uplink; loop Prevention. Reset: Press and hold for 10 seconds		
MAC address table	16K		
Port surge protection	6kV		
Operating temperature / storage temperature	0°C ~ 45°C / -40°C ~ 70°C		
Operating humidity / Storage humidity	10% ~ 90% / 5% ~ 90% (non-condensing)		
Certification	CE, CB, RoHS		
MTBF	>200000H		
Heat dissipation method	Fanless silent design, natural heat dissipation		
Installation method	Desktop; comes standard with mounting ears for rack mounting.		
Static power consumption	2.81W	3.75W	3.8W
Full load power consumption	10.2W	12.92W	14.8W
Input voltage	90V ~ 264V AC	90-264V AC	90-264V AC
VLAN	Supports 802.1Q VLANs		
	Supports port-based VLANs		
	Supports 16 VLANs		
DHCP	Support DHCP Client		
	Supports DHCP snooping (prevents unauthorized connections).		
Safety features	Support for unknown unicast suppression		
	Supports multicast storm suppression		
	Support broadcast storm suppression		

Management and maintenance	Supports remote management and maintenance via the Cloud Platform
	Supports topology display
	Supports Loop Prevention
	Support port isolation
	Supports port flow control
	Supports port bandwidth limiting
	Supports remote restart
	Support version upgrade
	Support factory reset

Property	Aolynk US110-8G2MF-HP	Aolynk US110-16G2MF-HP	Aolynk US110-24G2MF-HP
Size	235×105×27mm	440×210×43.6mm	440×210×43.6mm
Weight	≤0.52kg	≤3.21kg	≤3.38kg
Switching capacity	26Gbps	42Gbps	58Gbps
Packet forwarding rate	19.34 Mpps	31.25Mpps	43.15Mpps
Fixed port	8 x 10/100/1000 Base-T PoE+ Ethernet ports, 2 x 2.5G/1G SFP optical ports	16 x 10/100/1000 Base-T PoE+ Ethernet ports, 2 x 2.5G/1G SFP optical ports	24 x 10/100/1000 Base-T PoE+ Ethernet ports, 2 2.5G/1G SFP optical ports
Priority forwarding port	1-2 ports	1-4 ports	1-8 ports
Aggregation Uplink Port	Not supported	15-16 ports 17-18 ports	23-24 ports, 25-26 ports
Button switch - mode switch	Option: 3S long-distance transmission; port isolation Reset: Press and hold for 10 seconds	Options: 3S port isolation; aggregation uplink; long-distance transmission Reset: Press and hold for 10 seconds	
MAC address table	16K		
Port surge protection	6kV		
Operating temperature / storage temperature	0°C ~ 45°C / -40°C ~ 70°C		
Operating humidity / Storage humidity	10% ~ 90% / 5% ~ 90% (non-condensing)		
Certification	CE, CB, RoHS		
MTBF	>200000H		
Heat dissipation method	Fanless silent design, natural heat dissipation	Fan cooling	Fan cooling
Installation method	Desktop, wall-mounted	Desktop; comes standard with mounting ears for rack mounting.	
PoE+ power supply	support		
Maximum PoE power supply per port power	30W	30W	30W
Maximum PoE power supply of the whole machine	130W	225W	370W

Priority power supply port	1-2 ports	1-8 ports	1-16 ports
Long-distance transmission port	5-6 ports	9-14 ports	17-22 ports
PoE Watchdog	support	support	support
Permanent PoE	support	support	support
Fast PoE	support	support	support
Static power consumption	1.7W	2.81W	4.79W
Full load power consumption	137W	243W	390W
Input voltage	90V ~ 264V AC	90-264V AC	90-264V AC
VLAN	Supports 802.1Q VLANs		
	Supports port-based VLANs		
	Supports 16 VLANs		
DHCP	Supports DHCP Client		
	Supports DHCP snooping (prevents unauthorized connections).		
Safety features	Supports for unknown unicast suppression		
	Supports multicast storm suppression		
	Supports broadcast storm suppression		
Management and maintenance	Supports remote management and maintenance via the Aolynk App		
	Supports remote management and maintenance via Cloud Platform		
	Supports topology display		
	Supports Loop Prevention		
	Supports port isolation		
	Supports port flow control		
	Supports ultra-long-distance transmission		
	Supports port bandwidth limiting		
	Supports remote restart		
	Supports version upgrade		
	Supports factory reset		
	Supports non-standard PoE power supply		
	Supports port PoE priority		

Notes: The switch starts in unmanaged mode by default..

Ordering Information

model	describe
H3C Aolynk US110-8G2MF-HP	H3C Aolynk US110-8G2MF-HP PoE+ Ethernet switch, supports 8x ports 10/100/1000 BASE-T Ethernet port, 2x 1000/2500 SFP optical ports, AC
H3C Aolynk US110-16G2MF	The H3C Aolynk US110-16G2MF Ethernet switch supports 16 x 10/100/1000 BASE-T Ethernet ports, 2x 1000/2500 SFP optical ports, AC
H3C Aolynk US110-16G2MF- HP	H3C Aolynk US110-16G2MF-HP PoE+ Ethernet switch, supports 16x ports 10/100/1000 BASE-T Ethernet port, 2x 1000/2500 SFP optical ports, AC
H3C Aolynk US110-24G	The H3C Aolynk US110-24G Ethernet switch supports 24 x 10/100/1000 BASE-T Ethernet ports AC
H3C Aolynk US110-24G2MF	The H3C Aolynk US110-24G2MF Ethernet switch supports 24 x 10/100/1000 BASE-T Ethernet ports, 2x 1000/2500 SFP optical ports, AC
H3C Aolynk US110-24G2MF- HP	H3C Aolynk US110-24G2MF-HP PoE+ Ethernet switch, supports 24x ports 10/100/1000 BASE-T Ethernet port, 2x 1000/2500 SFP optical ports, AC



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