迈思源信息技术有限公司
maisiyuan information technology

HoloWAN High Precision WAN Emulators

Exceptional Performance, Easy to Use, cost-effective.
Enulates: Bandwidth, Latency, Packet loss,
jitter,Other impairments.

Recruit global agency

HoloWAN®

WAN Emulator

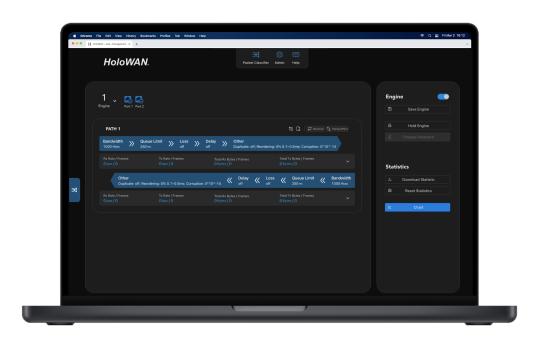# Product Data Sheets

Comparison of HoloWAN Lite models :

Models	1200L	2200L
Capacity		
Engine Number	1	1
Maximum Bandwidth	1,000Mbps	1,000Mbps
Path Number Of Per Engine	1	1
Maximum Packet Rate	30,000pps	3,000,000pps
Emulation Capabilities		
Bandwidth	Bandwidth Fixed	
Queue Limit	Simple、Drop Tail	
Corruption	Bit Error、Bit Range Error	
Delay	Constant、Uniform	
Loss	Random Loss	
Recordering	Normal	
Duplication	Normal	
Other Damage	Frame Overhead、Background Utilization、MTU Limit	
Other Key Information		
Size	1U	2U
Ethernet Ports	2*RJ45 1Gbps	2*RJ45 1Gbps
GUI	web	
Hardware Warranty	1 year	
Technical Support	Remote technical support	

HoloWAN Lite Features :

- **No installation required, easy to use :** HoloWAN Lite is a standalone device that can be powered on simply by plugging it in. Control of the device is done through a web-based GUI on a browser, eliminating the need for any additional installation or software programs.

- **Singlelink :** HoloWAN lite provides a single link with a pair of physical engines, without the need to configure packet filters. The simplified link configuration is very suitable for product acceptance testing, cloud server evaluation, and optimization scenarios.

- **Gigabitlink :** HoloWAN lite is equipped with a Gigabit Ethernet port, with a bandwidth limit of up to 1000Mbps. The bandwidth limit precision is 1bps, allowing simulation of network links ranging from 0 to 1000Mbps.

- **Latency & Jitter :** HoloWAN lite can add delay to each packet or apply uniformly-distributed latency jitter. The maximum delay that can be added is 10 seconds, with a precision of 0.01ms, which fully meets the development needs of internet products and services.

- **Random Packet Loss & Bit Error :** HoloWAN lite supports true random packet loss and bit error. The precision of packet loss can reach 0.0001%, through which the effects of different packet loss rates on products or audio/video applications can be evaluated.

- **Comprehensive Impairment Function :** HoloWAN lite also supports packet reordering, packet duplication, queue depth, frame overhead, background traffic, and large packet fragmentation impairment. The comprehensive impairment function allows for better simulation of real wide-area network links.

- **Statistics list and charts：** HoloWAN Lite's statistics list provides real-time display of packet damage, allowing users to see the status of packet damage in real-time. It also allows users to save and download all the damage data since the device was started. The statistical charts show the variation of packet rate in the form of line graphs, helping users to better understand the damage situation and making testing simpler.

Interface & Products :

HoloWAN 1200L	HoloWAN 2200L
one 1 Gbps emulation engines	one 1 Gbps emulation engines

HoloWAN Lite can be used in：

- **simulate wireless networks,such as 2G、3G、4G、5G**

Wireless networks such as 2G, 3G, 4G and networks have a lot of instability factors, and there are relatively large delays and delay jitters, packet loss, congestion and other phenomena. HoloWAN can simulate this complex network environment to verify the stability and adaptability of your wireless applications.

- **Evaluating the required network bandwidth**

Simulate bandwidth, delay and other loss characteristics. Determine how much bandwidth you need to keep your application running steadily.

- **Network Authentication**

When you are conducting network deployment and equipment selection between different offices of the company, you need to evaluate the delay, jitter, packet loss caused by various equipment or network solutions, and how much bandwidth can provide the corresponding quality of service.

- **Product testing**

HoloWAN can be used to verify the true performance of network accelerator, application delivery equipment, compression equipment, WAN optimization equipment, flow control equipment, network behavior monitoring equipment, network security equipment, etc. in the WAN environment.

- **Website Testing**

Use HoloWAN to simulate the actual network environment to verify whether your website platform will not stop because of the slow network connection.

- **Product demonstration**

When you need to show your customers the application of your product in the actual network, take the HoloWAN and your device.

Connect us :

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